



"HAM EQUIPMENT BUYER'S GUIDE"

PICTURES AND DESCRIPTIONS OF

RECEIVERS - TRANSMITTERS - TRANSCEIVERS

AND

AMPLIFIERS

VOLUME I - COMBINED & REVISED DECEMBER 1, 1972

(Covers Equipment from 1945 to late 1972)

Compiled for HAM TRADER YELLOW SHEETS

by

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NOTE: The year the equipment was first sold and the first price have been included when available to give some idea of its age and price class but may not be 100% accurate.

THE REPORT OF THE PARTY OF THE

Model No./Name	See	Type	Model No./Name See	Type
A	Simpson	Transceiver	7 500 Y-1	Tuesday
AA-10	Drake	Amplifier	Basecom 580 Johnson	Transceiver Transceiver
AA-22	Drake	Amplifier	Basecom 582 Johnson Basecom 680 Johnson	Transceiver
A-54	M-Elmac	Transmitter	Basecom 680 Johnson Basecom 682 Johnson	Transceiver
А-54-Н	M-Elmac	Transmitter	Basecom 917 Johnson	Transceiver
A-2515	Allied	Receiver	Basecom 918 Johnson	Transceiver
A-2515A	Allied	Receiver	Basecom 937 Johnson	Transceiver
A-2516	Allied	Receiver	Basecom 938 Johnson	Transceiver
A-2517	Knight	Transceiver	Big One (10-0) Dycomm	Amplifier
A-2518 A-2586	Knight Allied	AC PS/Spkr Receiver	BL-100 Courier	Amplifier
A-2587	Allied	Receiver	Black Cat JB75A Wawasee	Amplifier
· AC/One	Tempo	AC P.S.	Black Cat JB200 Wawasee	Amplifier
AC-1	Ameco	Transmitter	Black Cat JB200A Wawasee	Amplifier
AC-3	Drake	AC P.S.	Block Booster (500D) Dycomm	Amplifier
AC-4	Drake	AC P.S.	BN-9 Halli.	Batt. Pack
AC-10	Sonar	AC P.S.	BR-2906 Sonar BP-1 Inoue	Amplifier Batt. Pack
AC35B	Galaxy	AC PS/Spk Cor	Brick (500E) Dycomm	Amplifier
AC48A	WRL	AC P.S.		1000000
AC200	National	AC P.S.	C-4 Drake	Sta.Control
AC-300	Hammarlund	AC PS/Spkr	CAL 62 Galaxy	Calibrator
AC384A	WRL	AC P.S.	CAL 250 Galaxy Sonar	Calibrator Transceiver
AC400 AC500	Galaxy National	AC P.S.	CD-6 Sonar	Transceiver
Adventurer	Johnson	Transmitter	Challenger, Viking Johnson	Transmitter
AF-67	M-Elmac	Transmitter	Champ 300 Globe	Transmitter
AF-68	M-Elmac	Transmitter	Champion Globe	Transmitter
AF-100	Supreme	Transmitter	Champion 300A Globe	Transmitter
AF-800	Swan	CW Filter	Champion 350 Globe	Transmitter
Afterburner	HyGain	Amplifier	Cheyenne (MT-1) Heath	Transmitter
Afterburner-plus	HyGain	Amplifier	Chief 90 Globe	Transmitter
Airport	Karadio	Receiver	Chief 90A Globe	Transmitter
Alpha 70	ETO	Amplifier	Chief Deluxe Globe	Transmitter
Alpha 77	ETO / CT/T	Amplifier	CM-1 Mosley	Receiver
Alpha 77A	ETO/CMI Int'l Xtal	Amplifier	Comanche (MR-1) Heath	Receiver Transmitter
AOR AOR41	Int'l Xtal	Receiver Receiver	Comet Clegg Commander Gonset	Transmitter
AOR42	Int'l Xtal	Receiver	Commander II Gonset	Transmitter
AOR43	Int'l Xtal	Receiver	Communicator Gonset	Transceiver
AOR44	Int'l Xtal	Receiver	Communicator II Gonset	Transceiver
AOR45	Int'l Xtal	Receiver	Communicator III Gonset	Transceiver
AOR46	Int'l Xtal	Receiver	Communicator IV Gonset	Transceiver
AOR47	Int'l Xtal	Receiver	Comtron 972A Gonset	Amplifier
AOT-50	Int'l Xtal	Transmitter	Controller RF Comm.	Transceiver
Apache (TX-1)	Heath	Transmitter	Co-Pilot RF Comm.	Transceiver
Apollo	Clegg	Amplifier	Courier RF Comm.	Transceiver
AR AR-1	Midland	Receiver	Courier, Viking Johnson CR-70 C.A.I.	Amplifier Receiver
AR-1 AR-2	Heath Heath	Receiver Receiver	CR-70 C.A.I. Signal/One	Receiver
AR-2 AR-3	Heath	Receiver	CR-1500 Signal/One	Receiver
Argonaut	Ten-Tec	Transceiver	CRX-106(Portamon) Halli.	Receiver
Atlas	WRL	Amplifier	CRX-107 (Portamon) Halli.	Receiver
AT-1	Heath	Transmitter	CT6-30 Tempo	Amplifier
AT-30	Vocaline	Transceiver	CT6-60 Tempo	Amplifier
ATR-4	M-Elmac	Transceiver	CT-(Series of Tempo Booster	
Auditor I	Unimetrics	Receiver	CT-1500 Signal/One	Transmitter
AX-190	Allied	Receiver	CTR-144 Comcraft	Transceiver
D// A-6 A	Motorola	Transceiver	CW7 WRL	Transmitter
B44A-6A	Motorola	Transceiver	CX7 Signal/One	Transceiver
B61AAB B-500-SSB	Babcock	Transceiver	CX7A Signal/One	Transceiver Transceiver
Bandit 2000A	Hunter	Amplifier	CX-10 Signal/One	Transceiver
Bandit 2000B	Hunter	Amplifier	Cyclemaster 20A Hunter Cyclone SR-400 Halli.	Transmitter
Randit 2000C	Hunter	Amplifier	Cyclone SR-400 Halli. Cyclone III SR-400A Halli.	Transceiver
Bandmaster Delux	eH-Wells	Transmitter	Cyclone SR-750 Halli.	Transceiver
Bandmaster Jr.	H-Wells	Transmitter	Cygnet 260 Swan	Transceiver
Bandmaster Sr.	H-Wells	VFO	Cygnet 270 Deluxe Swan	Transceiver
Bantam 65	Palco	Transmitter	Cygnet 270-B Swan	Transceiver
			3/8	

		AND THE PERSON OF THE PERSON O	1
D23-1	Motorola	Transceiver	2
D23BAT	Motorola	Transceiver	
D31AAB	Motorola	Transceiver	
	Motorola	Transceiver	
D31BAB	Motorola	Transceiver	1
D33-1	Motorola	Transceiver	
D33AAB		Transceiver	
D33BAB	Motorola	Transceiver	-
D33BAT	Motorola	DC P.S.	3
DC/One	Tempo		
DC-3	Drake	DC P.S.	
	Drake	DC P.S.	
DC-10	Sonar	DC P.S.	19
DC-24	Drake	DC P.S.	
DC35	Galaxy	DC P.S.	
	Hammarlund	DC P.S.	
	WRL	DC P.S.	
	ETO	Amplifier	
Digital 500	Robyn	Transceiver	12
DL-2000	BTI	Dummy Load	
DR-30	Davco	Receiver	1
DR-30-S	Davco	P.S.	
DSB-100 Sidebander		Transmitter	. 0
DSR-1	Drake	Receiver	
DT-20	Davco	Transmitter	
DT20A	Davco	Transmitter	
	WRL	Transceiver	
Duo-Bander II		Transceiver	
Duo-Bander 6/2	Galaxy		
Duo-Bander 84	WRL	Transceiver	1
Duo-Power 300	WRL	Combo AC-DCP.	
DX'er	Babcock	Preselector	
DX-20	Heath	Transmitter	
DX-35	Heath	Transmitter	
DX-40	Heath	Transmitter	
DX-60	Heath	Transmitter	
DX-60B	Heath	Transmitter	
DX-100	Heath	Transmitter	
DX-100B	Heath	Transmitter	
DX-120 Star Patrol			1
Realistic		Receiver	
DX-150 Realistic		Receiver	
DX-150 Realistic		Receiver	
DX-150B Realistic	Allied	Receiver	
DX2000L	Raytrack	Amplifier	
		Transceiver	
Dycomm 10-10	Dycomm	Transcerver	
EA-12	Eddystone	Receiver	
Echo II	Dycomm	Repeater	
Executive	G.E.	Transceivers	
Explor-Air KT-135	Lafayette		
Emplot till Rt 155	Larayeete		-
			1
F-3	Galaxy	CW Filter	
T-1	26	D	

F-3	Galaxy	CW Filter
Falcon	Morrow	Receiver
FDFM-2	Inoue/Varitroni	cs Transcvr
FF1	Drake	Freq. Adptor
FFR-230/6	Galaxy	Receiver
FFR-230	Galaxy	Receiver
FL-200-B	Yaesu	Transmitter
FL-1000	Yaesu	Amplifier
FL-2000	Yaesu	Amplifier
FL2000B	Yaesu	Amplifier
FLdx 400	Yaesu	Transmitter
FLdx-2000	Yaesu	Amplifier
FLdx-2000B	Yaesu	Amplifier
FL-2100	Yaesu	Amplifier
Fleetcom	Johnson Xc	vr Series
FM-2X	Swan	Transceiver
FM20M	Inoue/Varitroni	cs Amplifier
FM20BM	Inoue/Varitroni	cs Amplifier
FM-27	Clegg	Transceiver
FM-27A	Clegg	Transceiver
FM-201	Avcom	Xmtr Module

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FM543	Johnson	Transceiver
FM1210-A	Swan	Transceiver
FM3602	Sonar	Transceiver
FM3601	Sonar	Transceiver
fma	Tempo	Transceiver
FM Booster 500C	Dycomm	Amplifier
FMH	Tempo	Transceiver
fmp	Tempo	Transceiver
FMR-250	Vanguard	Receiver
FMTR41V	Motorola	Transceiver
FMTR80D	Motorola	Transceiver
FMTR140BY	Motorola	Transceiver
FMTR140D	Motorola	Transceiver
FMTRU41V	Motorola	Transceiver
FMTRU80D	Motorola	Transceiver
FMTRU140BY	Motorola	Transceiver
FMTRU140D	Motorola	Transceiver
fmv	Tempo	Transceiver
fmv-450	Tempo	Transceiver
Four-Bander	Sonar	Transceiver
Four-20	Hammarlund	Transceiver
FP-1	Swan	Phone Patch
FPM-200	Hallicr.	Transceiver
FPM-300	Hallicr.	Transceiver
FR-100-B	Yaesu	Receiver
FR-103 SA	Sonar	Receiver
FRdx 400	Yaesu	Receiver
FSTRU80BY	Motorola	Transceiver
FT2	Yaesu	Transceiver
FT2B	Yaesu	Transceiver
FT-101	Yaesu	Transceiver
FTdx 400	Yaesu	Transceiver
FTdx 560	Yaesu	Transceiver
FTdx 570	Yaesu	Transceiver
FTR	Morrow	Receiver
FV-101	Yaesu	VFO
FV-400S	Yaesu	VFO
FV-401	Yaesu	VFO
		H. Carlotte

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ł	G-28	Gonset	Transceiver
	G-33	Gonset	Receiver
	G-43	Gonset	Receiver
	G-50	Gonset	Transceiver
	G-63	Gonset	Receiver
I	G-66	Gonset	Receiver
	G-66B	Gonset	Receiver
	G-76	Gonset	Transceiver
	G-77	Gonset	Transmitter
	G-77A	Gonset	Transmitter
	G209R	Geloso	Receiver
	G300D	Galaxy	DC P.S.
	G703	Gonset	Transceiver
	G705	Gonset	Transceiver
	G-1000	Galaxy	DC P.S.
	G-1000DC	WRL	DC P.S.
	Galaxy III	Galaxy	Transceiver
	Galaxy V	Galaxy	Transceiver
	Galaxy V Mark 2	Galaxy	Transceiver
	Galaxy V Mark 3	Galaxy	Transceiver
	Galaxy 300	Galaxy	Transceiver
	GC-1 Mohican	Heath	Receiver
	GC-105 Gooney Bir	rd Gonset	
	GH-12A Gladding 25	Heath	Microphone
	Gladding 25		Transceiver
			Receiver
		Knight	
	Globetrotter	Globe	
	GO K-73 Master	Mobile Mour	
	Gooney Bird, GC-1	.05 Gonset	Transceiver

cm 11		70 7 0	I WE OF WALLE	Lafayette	Receiver
GP-11	Heath	DC P.S.	HE-25 Voyager	Lafayette	Receiver
GPR-90	Tech. Materiel	Receiver	HE-30	Lafayette	Transceiver
GPR-91	Tech. Materiel	Receiver	HE-35A	Lafayette	Receiver
GPR-92	Tech. Materiel	Receiver	HE-40	Lafayette	Transceiver
GR-54	Heath	Receiver	HE-45A	Lafayette	Transceiver
GR-64	Heath	Receiver	HE-45B	Lafayette	Transceiver
GR-78	Heath	Receiver	HE-50A	Lafayette	Receiver
GR-81	Heath	Receiver	HE-80	National	Receiver
GR-91	Heath	Receiver	HFS	RME	Transmitter
GR-211	Gonset	Receiver	HG-303	Globe	Transmitter
GR-212	Gonset	Receiver	Hi-Bander VHF-62	Gladding	Receiver
GSB-2	Gonset	Transceiver	Hi-Skan	Motorola	Receiver
GSB-6	Gonset	Transceiver	HO-1	Motorola	Receiver
GSB-100	Gonset	Transceiver	HO-3	Motorola	Receiver
GSB-101	Gonset	Amplifier	HO3BNC	Motorola	Receiver
GSB-201	Gonset	Amplifier	HO4BNC	Hamtronics	Receiver
GSB-201-Mk2	Gonset	Amplifier	Homebrew FM Rcvr	Raytrack	Amplifier
GSB-201-Mk3	Gonset	Amplifier	Horizon VI	Heath	DC P.S.
GSB-201-Mk4	Gonset	Amplifier	HP13		DC P.S.
GSB 900A Side	ewinder Gonset	Transceiver	HP-13A	Heath	AC P.S.
GSB 910A Side	ewinder Gonset	Transceiver	HP23	Heath	AC P.S.
GT-550	Galaxy	Transceiver	HP-23A	Heath	Receiver
GT-550A	Galaxy	Transceiver	HQ66	Hammarlund	
GTM	Galaxy	Mobile Mount	HQ-88	Hammarlund	Receiver
GTX-2	Genave	Transceiver	HQ-100	Hammarlund	Receiver
			HQ-100A	Hammarlund	Receiver
			HQ-100AC	Hammarlund	Receiver
H11NBC	Motorola	Transmitter	HQ-105TR	Hammarlund	Transceiver
H13NBC	Motorola	Transmitter	HQ-105TRC	Hammarlund	Transceiver
H21-1	Motorola	Transceiver	HQ-110	Hammarlund	
H21BAB	Motorola	Transceiver	HQ-110A	Hammarlund	
H21BAC	Motorola	Transceiver	HQ-110AC	Hammarlund	
H21BAM	Motorola	Transceiver	HQ-110A-VHF	Hammarlund	
H23-1	Motorola	Transceiver	HQ-110AC-VHF	Hammarlund	Receiver
H23BAB	Motorola	Transceiver	HQ-129X	Hammarlund	Receiver
H23BAC	Motorola	Transceiver	HQ-140X	Hammarlund	Receiver
H23BAM	Motorola	Transceiver	HO-140XA	Hammarlund	Receiver
HA-10 Warrio		Amplifier	но-145	Hammarlund	Receiver
HA-10 Wallio	Heath	Amplifier	HQ-145A	Hammarlund	Receiver
	Halli.	VOX	HQ-145AC	Hammarlund	Receiver
HA-16	Heath	Amplifier	HQ-145AX	Hammarlund	Receiver
HA-20	Halli.	VFO/SWR	HQ-145C	Hammarlund	Receiver
HA-20	Halli.	VFO	HQ-145X	Hammarlund	Receiver
HA-26	Halli.	Blower	HQ-145XC	Hammarlund	Receiver
HA-60	Lafayette	Receiver	HQ-150	Hammarlund	Receiver
HA-63	Lafayette	Receiver	HQ-160	Hammarlund	Receiver
HA-63A		Speaker		Hammarlund	Receiver
HA-94	Lafayette	Transceiver	HQ-170 HQ-170A	Hammarlund	Receiver
HA-144	Lafayette Lafayette	Receiver	HQ-170AC	Hammarlund	Receiver
HA-226		Amplifier	HQ-170A-VHF	Hammarlund	Receiver
HA-250	Lafayette	Amplifier	HQ-170AC-VHF	Hammarlund	Receiver
HA-250A	Lafayette	Amplifier		- Hammarlund	Receiver
HA-260	Lafayette	Receiver	HQ-170C	Hammarlund	Receiver
HA-350	Lafayette	Transceiver	HQ-180	Hammarlund	Receiver
HA-410	Lafayette	Transceiver	HQ-180A	Hammarlund	
HA-460	Lafayette	Receiver	HQ-180AC	Hammarlund	
HA-500	Lafayette	Receiver	HQ-180AX	Hammarlund	
HA-600A	Lafayette	Receiver	HQ-180C	Hammarlund	· · · · · · · · · · · · · · · · · · ·
HA-600T	Lafayette	Receiver	HQ-200	Hammarlund	
HA-700	Lafayette	Transceiver	HQ-205	Hammarlund	
HA-750	Lafayette	Receiver	HQ-215	Hammarlund	
HA-800	Lafayette		HQ-215 MkII	Heath	Receiver
HA-800B	Lafayette		HR-10	Heath	Receiver
HA-1200	Lafayette	Transceiver	HR-10B		Receiver
Ham Command	,HC-100 Halli.	- 15 0	HR-20	Heath	Transceiver
HB-502A	Lafayette		HR-2	Regency	Transceiver
HB-506	Lafayette		HR-2A	Regency	Transceiver
HC-100 Ham		Transceiver	HR-2MS Transcan		Transceiver
HD-10	Heath	Elect.Keyer	HR-2S Transcan	Regency	Transcerver
HDP-21A	Heath	Desk Mic.			
HE-10	Lafayette				
HE-16W	Lafayette	DC P.S.			

UD 212	D				
HR-212	Regency	Transceiver	IC-2F	Inoue	Transceiver
HRA-10-1	Heath	Calibrator	IC-3P	Inoue	AC P.S./Mtr
HRO-5	National	Receiver	IC-6F	Inoue	Transceiver
HRO-5Al	National	Receiver	IC-20	Inoue	Transceiver
HRO-7	National	Receiver	IC-21		
HRO-50	National	Receiver		Inoue	Transceiver
			Interceptor	Clegg	Receiver
HRO-50R	National	Receiver	Interceptor Allba	inder Clegg T	uner/Spkr
HRO-50R1	National	Receiver	Interceptor B	Clegg	Receiver
HRO-50T1	National	Receiver	International	Karadio	Receiver
HRO-60	National	Receiver	Invader	Johnson	Transmitter
HRO-500	National	Receiver	Invader-2000		
HRO-500P	National	Receiver	Invade1-2000	Johnson	Amplifier
HRO-600					
The state of the s	National	Receiver	J51AAB	Motorola	Transceiver
HS-24	Heath	Speaker	J53AKY	Motorola	Transceiver
HT-2 Mark II		Transceiver	JB75A Black Cat		
HT-9	Halli.	Transmitter	TROOP BLACK CAL	Wawasee	Amplifier
HT-17	Halli.	Transmitter	JB200 Black Cat	Wawasee	Amplifier
HT-18	Halli.	Transmitter	JB200A Black Cat	Wawasee	Amplifier
HT-19	Halli.	Transmitter	Jewel Box 12	Wawasee	Amplifier
HT-20			Jewel Box 150A	Wawasee	Amplifier
	Halli.	Transmitter		A STATE OF THE PARTY OF THE PAR	
HT-30	Halli.	Transmitter			
HT-31	Halli.	Transmitter	K-73 Mast	er Mobile Mo	unts Amp.
HT-32	Halli.	Transmitter	KE-93 Pi	erson-Holt	Receiver
HT-32A	Halli.	Transmitter	King	Globe	Xmtr series
HT-32B	Halli.	Transmitter	KP-81	KP ?	
HT-33	Halli.				Receiver
HT-33A		Transmitter	KT-135 Explor-Air		Receiver
	Halli.	Amplifier	KT-200	Lafayette	Receiver
HT-33B	Halli.	Amplifier	KT-320	Lafayette	Receiver
HT-37	Halli.	Transmitter	KT-390 Starflite	Lafayette	Transmitter
HT-40	Halli.	Transmitter	KW-1	Collins	Transmitter
HT-41	Halli.	Amplifier	KW201	KW Elect.	Receiver
	Halli.	Transmitter			
			KW202	KW Elect.	Receiver
	Halli.	Amplifier	KW600	KW Elect.	Amplifier
	Halli.	Transmitter	KW1000	KW Elect.	Amplifier
HT-100	Motorola	Transceiver	KW2000A	KW Elect.	Transceiver
HT-200	Motorola	Transceiver	KW2000B	KW Elect.	Transceiver
HT-220	Motorola	Transceiver	KW Atlanta	KW Elect.	Transceiver
Hurricane SR-2000		Transceiver	KWM-1	Collins	
HW-7 QRP	Heath	Transceiver	The state of the s		Transceiver
			KWM-2	Collins	Transceiver
HW-10 Shawnee	Heath	Transceiver	KWM-2A	Collins	Transceiver
HW-12	Heath	Transceiver	KWS-1	Collins	Transmitter
HW-12A	Heath	Transceiver			
HW-16	Heath	Transceiver	т /		
HW-17	Heath	Transceiver	L-4	Drake	Amplifier
HW-17A	Heath	Transceiver	L41GGB	Motorola	Transceiver
HW-18-1	Heath	Transceiver	L43GGB		Transceiver
			L-1000A	Hunter	Amplifier
HW-18-2	Heath	Transceiver	L-1000-A	B&W	
HW-18-3	Heath	Transceiver			Amplifier
HW-19 Tener	Heath	Transceiver	L-1001-A	B&W	Amplifier
HW-20 Pawnee	Heath	Transceiver	LA-1	Globe	Amplifier
HW-22	Heath	Transceiver	LA-400	P&H	Amplifier
HW-22A	Heath	Transceiver	LA-400C	P&H	Amplifier
HW-29A Sixer	Heath	Transceiver	LA-400B	P&H	Amplifier
			LA-500M Spitfire		Amplifier
HW-30 Twoer	Heath	Transceiver	LA550		
HW-32	Heath .	Transceiver		Galaxy	Amplifier
HW-32A	Heath	Transceiver	LA-1600 Power Mas		Amplifier
HW-100	Heath	Transceiver	Lil Lulu	Lil Lulu	Transmitter
HW-101	Heath	Transceiver	Lil Lulu 68000	Lil Lulu	Receiver
HX-10 Marauder	Heath	Transmitter	LK-2000	BTI	Amplifier
HX-11	Heath	Transmitter	LK-2000HD	BTI	Amplifier
HX-20			LPA-1		Amplifier
	Heath	Transmitter			
HX-30	Heath	Transmitter	,	lnear Systems	
HX-50	Hammarlund	Receiver	LW-50	LW Elect.	Transmitter
HX-50A	Hammarlund	Transmitter			
HX-500	Hammarlund	Transmitter			
HXL-1	Hammarlund	Amplifier	M1070 Mui	lti-Elmac	AC/DC P.S.
HXQ-300	Hammarlund	Transceiver	Mark I	Swan	Amplifier
Hy-Q 75			Mark II		
11y-Q /3	Hy-Q	Transmitter		Swan	Amplifier
			Mark II	Excello Elect	
			Mark 6B	Swan	Amplfier
		1 - 1			

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Marker Luxury ML-	-1 Drake	Transceiver	NC-109	National .	Receiver
Marker Luxury ML-	-2 Drake	Transceiver	NC-121	National	Receiver
Marauder HX-10	Heath	Transceiver	NC-125	National	Receiver
MASTR		r Series	NC-140	National	Receiver
MB-6	Morrow	Receiver	NC-155	National	Receiver
MB62	Sonar	Transmitter	NC-173	National	Receiver
		Mobile Mount		National	Receiver
MB62	Galaxy		NC-183		
MB-560	Morrow	Transmitter	NC-183D	National	Receiver
MB-560-A	Morrow	Transmitter	NC-183DR	National	Receiver
MB-565	Morrow	Transmitter	NC-188	National	Receiver
MB-611	Sonar	Transmitter	NC-190	National	Receiver
MBR-5	Morrow	Receiver	NC-200	National	Transceiver
MC-4		pkr/Wattmtr	NC-240C ·	National	Receiver
MD-40	Eldico	Modulator	NC-240CS	National	Receiver
	Eldico	Modulator	NC-240D		Receiver
MD-40P					Receiver
MD-100	Eldico	Modulator	NC-240S	National	
Messenger	Johnson	Transceiver	NC-270	National	Receiver
Meteor SB-175	WRL	Transmitter	NC-300	National	Receiver
Mini-Com	Justin	Transceiver	NC-303	National	Receiver
Mini-Com SSB-3	Justin .	Transceiver	NC-400 .	National	Receiver
Mini-Mitter II A			NCL-2000	National	Amplifier
ML-1 Marker Luxu		Transceiver	NCX-3	National	Transceiver
		Transceiver	NCX-5 MkII	National	Transceiver
ML-2 Marker Luxu				National	Transceiver
ML-100	Courier	Amplifier	NCX-500		
MMK-3	Drake	Mobile Mount	NCX-1000	National	Transceiver
MNK-22	Drake	Mobile Mount	NCXA	National	AC P.S.7Spkr
Mobiline Six	Globe	Transceiver	NCXD .	National	DC P.S.
Mocom-10	Motorola	Transceiver	NE-6	Harristahl	Transmitter
Mocom-30	Motorola	Transceiver	NR-300	Philmore	Receiver
		Receiver	NT-200	Philmore Philmore	Transceiver
Mohawk RX-1	Heath		N1 200		
Mohican GC-1	Heath	Receiver			
Mono-Bander		cvr series	Ocean Hopper	Knight	Receiver
Motrac	Motorola	Transceivers			
Motran	Motorola	Transceivers			
MP-1	Collins	DC P.S.	The state of the s		
MP-1H	Ameco	Receiver	P31AAB	Motorola	Receiver
MP-1L	Ameco	Receiver	· P31AAC	Motorola	Receiver
	Heath	Receiver	P31 AAM	Motorola	Receiver
MR-1 Comanche			P31BAB	Motorola	Receiver
MR-3	Sonar	Receiver	P31BAC	Motorola	Receiver
MR-4	Sonar	Transmitter			Receiver
MR-5	Sonar	Transmitter	P31BAM	Motorola	
MR-40	Halli.	Mtg. Kit.	P33AAB	Motorola	Receiver
MR-150	Halli.	Mtg. rack	P33AAC	Motorola	Receiver
MR-160	Halli.	Mtg. mobile	P33AAM	Motorola	Receiver
MR-400	Halli.	Mtg. rack	P33BAB	Motorola	Receiver
MRS	Gonset	Receiver	P33BAC	Motorola	Receiver
	Drake .	Spkr	P33BAM	Motorola	Receiver
MS-3			P-400-GG	Lakeshore	Amplifier
MS 3BB	National	Spkr	P500AC	Halli.	AC P.S.
MS-4	Drake	Spkr		Halli.	DC P.S.
MSB-1	Gonset	Transceiver	P500DC		
MT-1 Cheyenne	Heath	Transmitter	P750AC	Halli.	AC P.S.
MT5A	Babcock	Transmitter	P-2000-AC	Halli.	AC PS/Spkr
MT5B	Babcock	Transmitter	PA-50A	Varitronics	
MT-15X	Subraco	Transmitter	PA-210	Galaxy	Amplifier
MT-52	Marmax	Transmitter	Pacemaker	Johnson	Transmitter
		Transmitter	Page Boy	Motorola	Receiver
MT-75A	Pausan			Heath	Transceiver
Musketeer Two	J&D Labs	Amplifier	Pawnee HW-20		Transceiver
Musketeer Six	J&D Labs	Amplifier	PC-62	Polycomm	Transceiver
			PC-230 Porta Com	mand harri.	Transceiver
Navigator, Vikin	a Johnson	Transmitter	Personal Messeng	er Johnson	
NC-1-10A	National	Receiver	PF-200	Lafayette	Receiver
		Receiver	PF-300	Lafayette	Receiver
NC-2-40	National		Phasemaster Jr.	Lakeshore	Transmitter
NC-33	National	Receiver	Phasemaster II	Lakeshore	Transmitter
NC-46	National	Receiver	Phasemaster IIA.		Transmitter
NC-57	National	Receiver		Lakeshore	Transmitter
NC-60	National	Receiver	Phasemaster IIB	Anollo	plifier serie
NC-60B	National	Receiver	Phase Two		AC P.S.
NC-66	National	Receiver	PM2	Collins	Transceiver
NC-77X	National	Receiver	PM-1 Power Mite	Ten-Tec	Transceiver
NC-88	National	Receiver	PM-2 Power Mite	Ten-Tec	Transceiver
		Receiver	PM-2A Power Mite	Ten-Tec	Transceiver
NC-98	National		PM-2B Power Mite		Transceiver
NC-105	National	Receiver	1 11 22 10 10 10 11 11 11		

PM3 Power Mite		Transceiver	RM2/1	Peterson	Receiver
PM3A Power Mite		Transceiver	RM2/4	Peterson	Receiver
	fulti-Elmac	Receiver	RF-550A		Atr/Ant.Select.
	fulti-Elmac	Receiver	RV-3		/FO/Spkr
	fulti-Elmac	Receiver	RV-4	Drake	VFO
Polycomm 2	Polytronic	s Transceiver	RV-550	Galaxy	VFO
Polycomm 6	Polytronic	s Transceiver	RV-550A	Galaxy	VFO
Polycomm 6-CD	Polytronic	s Transceiver		oss & White	Transceiver
Polycomm PC-62	Polytronic	s Transceiver	RX-1 Mohawk	Heath	Receiver
Porta Command F	C-230 Halli	. Transceiver	RX10	Ten-Tec	Receiver
Porta-Mobile		vr series.	10110	Tell-Tec	Receiver
Portamon	Halli.	Receiver			
Power Master LA		Amplifier	S-20 Sky Champi	on Halli.	Receiver
Power Mite		cvr Series	S-20R	Halli.	Receiver
PR-550	Galaxy	Phone Patch	S-22R	Halli.	Receiver
			S-27	Halli.	Receiver
PRO-200	Hammarlund		S-27B	Halli.	Receiver
PRO-200-160	Hammarlund		S-36	Halli.	Receiver
PRO-310	Hammarlund		S-36A	Halli.	Receiver
Professional		r Series	S-38	Halli.	Receiver
Progress Line		r Series	S-38A	Halli.	Receiver
PS	Midland	Receiver	S-38B	Halli.	Receiver
PS-150-12 DC	Halli.	DC P.S.	S-38C	Halli.	
PS-150-120AC	Halli.	AC P.S.	S-38D		Receiver
PS-1500	Inoue	AC P.S.		Halli.	Receiver
PS-2923	Sonar .	AC P.S.	S-38E	Halli.	Receiver
PS-3000	BTI	AC P.S.	S-40A	Halli.	Receiver
PT-200	Motorola	Transceiver	S-40U	Halli.	Receiver
PT-200AC	Halli.	AC P.S.	S-40B	Halli.	Receiver
PT-300	Motorola	Transceiver	S-51	Halli.	Receiver
PT-400	Motorola	Transceiver	S-52	Halli.	Receiver
11 400	110001014	Transcerver	S-53	Halli.	Receiver
Ound	TCD T -L -	1.51	S-53A	Halli.	Receiver
Quad	J&D Labs	Amplifier	S-53U	Halli.	Receiver
QT-1 Centr	al Electronic	cs Anti-trip	S-72	Halli.	Receiver
			S-72L	Halli.	Receiver
R-4	Drake	Pegatran	S-76	Halli.	Receiver
R-4A	Drake	Receiver	S-77	Halli.	Receiver
R-4B	Drake	Receiver	S-77A	Halli.	Receiver
R-5	Ameco	Receiver	S-85	Halli.	Receiver
R-5A	Ameco	Receiver	S-93 *	Halli.	Receiver
R-9		Receiver	S-102	Halli.	Receiver
R-9A	H-Wells	Receiver	S-106	Halli.	
R-55A	H-Wells	Receiver	S-107		Receiver
R-100	Knight	Receiver	S-107	Halli.	Receiver
R-100A	Knight	Receiver	S-118	Halli.	Receiver
	Knight	Receiver			Receiver
R-195	Knight	Receiver	S-119 Sky Buddy		Receiver
R-530	Galaxy	Receiver	S-120	Halli.	Receiver
R-599	Kenwood	Receiver	S-120A Star Que	st Halli.	Receiver
Ranger	Johnson	Transmitter	S-129	Halli.	Receiver
Ranger II	Johnson	Transmitter	S200	Halli.	Receiver
RB-550A	Galaxy Rot	oBrake Contrl	S-240	Halli.	Receiver
RDF-66	National D	F. Loop Ant.	SB-1CC	SBE	Carrying Case
Realistic DX-120	Star Patrol	Allied Rovr	SB1-LA	SBE	Amplifier
Realistic DX-150	Allied	Receiver	SB1-MIC	SBE	Microphone'
Realistic DX-150	A Allied	Receiver	SB-1VOX	SBE	VOX/Clipper
Realistic DX-150	B Allied	Receiver	SB2-LA	SBE	Amplifier
Realistic Patrol	man Allied	Monitor	SB2-MIC	SBE	Microphone
RF-130	RF Comm.	Transmitter	SB2-VOX	SBE	VOX control
RF-301	RF Comm.	Transceiver	SB2-MN	SBE	Mobile Mount
RF-505	RF Comm.		SB2-XC	SBE	Calibrator
RF-505A	RF Comm.	Receiver	SB3-FL	SBE	CW Filter
		Receiver	SB-3LA	SBE	Amplifier
RF-2000	BTI	Amplifier	SB3-MB	SBE	Mobile Mount
RME-45	RME	Receiver	SB3-VOX	SBE	VOX control
RME-50	RME	Receiver	SB3-VFO	SBE	VFO VFO
RME-79	RME	Receiver	SB5-XC	SBE	
RME-84	RME	Receiver	SB6-LA		Calibrator
RME4300	RME	Receiver	SB-36	Supreme	Amplifier
RME4350	RME	Receiver		SBE	Transceiver
RME4350A	RME	Receiver	SB-100	Heath	Transceiver
RME6900	RME	Receiver	SB-101	Heath	Transceiver
RME VHF2-11	RME		SB-102	Heath	Transceiver
RME VHF-602	RME	Receiver	SB-110	Heath	Transceiver
	TO III	Transmitter	SB-110A	Heath	Transceiver

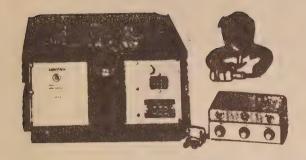
SB-144	SBE	Transceiver	SRC-202KH	Standard	Speaker
SB-175 Meteor	WRL	Transmitter	SRC-806MA	Standard	Transceiver
SB-200	Heath	Amplifier	SRC-811SH	STandard .	Transceiver
SB-220	Heath	Amplifier	SRC-826M	Standard	Transceiver
SB-300	Heath	Amplifier	SRC-826MA	Standard	Transceiver
SB-301	Heath	Amplifier	SRC-851SH	Standard	Transceiver
SB-303	Heath	Receiver	SRC-ATO5H	Standard	5/8 w. ant.
SB-310	Heath	Receiver	SRC-KOO2H	Standard	Batt. P.S.
SB-400	Heath	Transmitter	SRC-MP02H	Standard	Handset
SB-401	Heath	Transmitter	SR-CL25-3H	Standard	Amplifier
SB-450	SBE	Transceiver	SR-CL25-4H	Standard	Amplifer
SB-600	Heath	Speaker	SRT-75	Sonar	Transmitter
SBA-100-1	Heath	Mobile Mt.	SRT-120	Sonar	Transmitter
SBA-301-2	Heath	CW Filter	SRT-120-P	Sonar	Transmitter
SBE-33	SBE	Transceiver DC Inverter	SS-1R	Squires-Sand	ers N.Silencer
SBE-33 DC PS	SBE	Mtg. Base	SS-1S SS-1V		ers Video Scan
SBE-33-MB	SBE ·	Transceiver	SS-75	Elenco	Transmitter
SBE-34	inear Systems		SSB-3 Mini-Com	Justin	Transceiver
SBE-35 SBE/L: SBT-3	Transcom	Transceiver	SSB-5	RCA	Transceiver
SBT-100	Halli.	Transceiver	SSB-6B	Supreme	Transmitter
Scan-308	Pace Pace	Receiver	SSB-50	Eldico	Transmitter
SCA-RPT-1	Standard	Repeater	SSB-100	Eldico	Transmitter
SC550	Galaxy	Spkr/Console	SSB-100A	Eldico	Transmitter
SC-550A	Galaxy	Spkr console	SSB-100F	Eldico	Transmitter
Scout	Globe	Transmitter	SSB-100M	Eldico	Transmitter
Scout 66	Globe	Transmitter	SSB-400	Eldico	Amplifier
Scout 680	Globe	Transmitter	SSB-500	Eldico	Amplifier
Scout 680A	Globe	Transmitter	SSB-1000	Eldico	Amplifier
Scout Deluxe	Globe	Transmitter	SSB-1000F	Eldico	Amplifier
Seavox 15	Unimetrics	Transceiver	SSL-250	Swan	Amplifier
Seneca, VHF-1	Heath	Transmitter	Starflite KT390		Transmitter
Sentry	Sonar	Receiver	Star Quest S-12		Receiver
Shawnee, HW-10	Heath	Transceiver	Star Patrol Rea		
Sidebander DSB-1	00 Globe	Transmitter	Star Roamer	Knight	Receiver
Sidewinder	Gonset	Transcvrs	STar Roamer II	Knight	Receiver
Simpson A	Simpson	Transceiver	STP-50	Int'l Xtal	Transmitter
Simpson B	Simpson	Transceiver	ST-202-A ST-203-A	Stancor Stancor	Transmitter Transmitter
Sixer, HW-29A	Heath	Transceiver			
Sky Champion S20	Halli.	Receiver	Super Brick 500	DES Dycomm Gonset	Amplifier Transmitter
Sky Buddy II S-1	19 Halll.	Receiver Receiver	Super-ceiver Super-Pro 400	Hammarlund	
Sky Sweep 345	Tapetone	Desk Mike	Super-Pro SP-60		
SM-1	Collins Solar System		SW-4A	Drake	Receiver
Solar System VI SP-100	Pausan	Amplifier	SW-12DC	Swan	DC P.S.
SP-100 SP-101P	Yaesu	Spk/Ph Ptch	SW-54	National	Receiver
SP-101P SP-400	Yaesu	Spkr	SW59	Del Mar	Receiver
SP-400-SX	Hammarlund	Receiver	SW-117AC	Swan	AC PS/Spkr
SP-560	Yaesu	Spkr	SW-120	Swan	Transceiver
SP-600-JX Super-		und Revr	SW-140	Swan	Transceiver
SP-1000	Pausan	Amplifier	SW-175	Swan	Transceiver
Space Spanner	Knight	Receiver	SW-240	Swan	Transceiver
Span Master	Knight	Receiver	SW-406	Swan	VFO
Spitfire LA-500M		Amplifier	SW-420 SW-717	Swan	VFO Receiver
SPR-4	Drake	Receiver	SX-24	Heath Halli.	Receiver
SR-9	Sonar	Receiver	SX-25	Halli.	Receiver
SR-34	Halli.	Transceiver	SX-28	Halli.	Receiver
SR-34AC	Halli.	Transceiver Transceiver	SX-42	Halli.	Receiver
SR-75 SR-150	Halli.	Transceiver	SX-42U	Halli.	Receiver
SR-160	Halli.	Transceiver	SX-43	Halli.	Receiver
SR-400 Cyclone	Halli.	Transceiver	SX-43U	Halli.	Receiver
SR-400 Cyclone		Transceiver	SX-62	Halli.	Receiver
SR-500	Halli.	Sta. Console	SX-62A	Halli.	Receiver
SR-500 Tornado	Halli.	Transceiver	SX-62U	Halli.	Receiver
SR-750 Cyclone	Halli.	Transceiver	SX-71	Halli.	Receiver
SR-2000 Hurrican		Transceiver	SX-71U	Halli.	Receiver
SRC-12/120-1BH		C PS/Spkr	SX-73	Halli.	Receiver
SRC-12/120-SH	Standard	AC P.S.	SX-88	Halli.	Receiver
SRC-14U	Standard	Transceiver	SX-96	Halli.	Receiver
SRC-146	Standard	Transceiver	SX-99	Halli.	Receiver
CDC-1/6A	Standard	Transceiver	SX-100	Halli.	Receiver

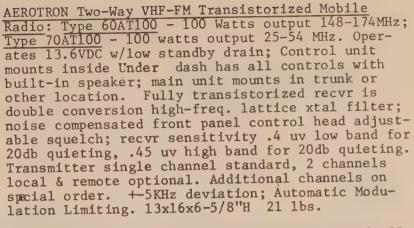
4.44					
SX-101	Halli.	Receiver			Transceiver
SX-101A	Halli.	Receiver	TR-9	Halli.	Transceiver
SX-101 Mk III	Halli.	Receiver		Tecraft	Transmitter
SX-110 SY-111	Halli.	Receiver		Tecraft	Transmitter
SX-111 SX-112	Halli.	Receiver Receiver		Tecraft	Transmitter
SX-112 SX-115	Halli.	Receiver		Tecraft	Transmitter
SX-117	Halli.	Receiver		Dycomm	Amplifier Transceiver
SX-122	Halli.	Receiver		Drake Eldico	Transceiver
SX-122A	Halli.	Receiver		Knight	Transmitter
SX-133	Halli.	Receiver		Knight	Transceiver
SX-140	Halli.	Receiver	TR-600	Eldico Eldico	Transmitter
SX-146	Halli.	Receiver	TR-850	DeWald	Transceiver
SX-190	Allied	Receiver	Transcan	Regency ·	Transceivers
መሳ ከ ፣	Wad	Donat	Trans-citer AF-67	M-Elmac	Transmitter
T2BK T3BK	Meissner	Receiver	Trans-citer AF-68		Transmitter
T3BK T-4X	Meissner Drake	Receiver Transmitter		Johnson	Transceiver Transceiver
T-4XB	Drake	Transmitter		Johnson Johnson	Transceiver
T6BK	Meissner	Receiver		Johnson	Transceiver
T33BAT	Motorola	Receiver		State Elect.	
T33GGV	Motorola	Transceiver		Kenwood	Transceiver
T41GGV	Motorola	Transceiver	TW-1000	Halli.	Receiver
T44-A6	Motorola	Transceiver	Twoer HW-30	Heath	Transceiver
T44-A6A	Motorola	Transceiver		Heath	Transmitter
T44-AAV	Motorola	Transceiver		Ameco	Transmitter
T-50	Knight	Transmitter	TX-82	Ameco	Transmitter
T51 AGD	Motorola	Transceiver	11/1 000	20	
T51GGD T51GGV	Motorola Motorola	Transceiver Transceiver		Motorola	Transceiver
T53GKD	Motorola	Transceiver	U41HHT	Motorola	Transceiver
T-60	Knight	Transmitter	U43GGT U43HHT	Motorola Motorola	Transceiver Transceiver
T60-2 Telvar	Audar	Transmitter	U44BBT	Motorola Motorola	Transceiver
T61GJD	Motorola	Transceiver	U51GGT	Motorola	Transceiver
		Transmitter	U51HHT	Motorola	Transceiver
T-150	Knight	Transmitter	U53GKT	Motorola	Transceiver
T-175	Knight	Amplifier	U71HHT	Motorola	Transceiver
T-400	Knight	Transmitter			
		Transmitter	77 (5)	Colonia	T
	Band System			Galaxy	Transceiver
	H-Wells	Transmitter	V-107 Valiant	Knight Johnson	VFO Transmitter
TC-2 Tech-Ceiver	H-Wells	Transmitter Transceiver		Johnson	Transmitter
TC-6 Tech-Ceiver		Transceiver		Vanguard	Transceiver
TC-6A Tech-Ceiver		Transceiver		Vanguard	Transceiver
	WRL	AC P.S.	Venus	Clegg	Transceiver
TCD-12	WRL	DC P.S.	Vespa Mk I	KW Elect.	Transmitter
TE-2 Ross	& White Tone	Encoder	_	KW Elect.	Transmitter
TE-5 Ross	& White Tone	Encoder	VFO-2	Eldico	VFO
Tech-Ceiver TC-2	WRL	Transceiver	VFO-621	Ameco	VFO Transmitter
Tech-Ceiver TC-6	WRL	Transceiver	VFX680 VHF-1 Seneca	Sonar Heath	Transmitter Transmitter
Tech-Ceiver TC-6A Telvar T60-2	WRL Audar	Transceiver	VHF2-11	RME	Receiver
	Audar Tempo	Transmitter Transceiver	VHF-62 H1-Bander		Transmitter
-	Heath	Transceiver Transceiver	VHF-150	Swan	Amplifier
TE-P Ross		ne Encoder	Viking	Johnson	Transmitter
The Baron	Peterson	Receiver	Viking I	Johnson	Transmitter
Thor 6	Clegg	Transceiver	Viking II	Johnson	Transmitter
Thunderbolt	Johnson	Amplifier	Viking 6N2	Johnson	Transmitter
	Regency	Receiver	Viking 500	Johnson	Transmitter
	Regency	Receiver	Viking Adventurer		Transmitter
Tom Cat 6(TC-6A) Tornado, SR-500	WRL Halli.	Transceiver	Viking Challenger Viking Courier	Johnson Johnson	Transmitter Amplifier
· ·		Transceiver	_	Johnson	
TPL- Series of TTR-1	-		Viking KW Viking Navigator		Amplifier Amplifier
	Eldico Eldico	Transmitter	Viking Ranger	Johnson	Amplifier
FILTE CO.	Eldico	Transmitter Transmitter	Viking Thunderbot		Amplifier
m= 0	Drake	Transmitter	V Mark 2	Galaxy	Transceiver
TR-4 Abbo	tt Instrumen		V Mark 3	Galaxy	Transceiver
TR-4	Drake	Transceiver	Voice Commander	G.E.	Transceiver
TR-4C	Drake	Transceiver	Voyager HE-25	Lafayette	Receiver

VX-1	Swan	Vox unit	22'er	Clegg	Transceiver
VX-2	Swan	Vox unit	22'er FM	Clegg	Transceiver
VX-35					
	Galaxy	Vox unit	22'er MkII	Clegg	Transceiver
VX-35C	Galaxy	Vox unit	22'er MkIII	Clegg	Transceiver
			30K	Collins	Transmitter
WAP-25	W. Ashe	AC P.S.	30L-1	Collins	Amplifier
			30S-1		
WAR-25	W. Ashe	Receiver		Collins	Amplifier
Warrior HA-10	Heath	Amplifier	32S - 1	Collins	Transmitter
WAT-25	W. Ashe	Transmitter	32S-3	Collins	Transmitter
WC-6	Wacom	Transmitter	32V-1	Collins	Transmitter
			32V-2		
WD844	Yaesu	Microphone		Collins	Transmitter
WR-600	Halli.	Receiver	32V-3	Collins	Transmitter
X-4 .	Elenco	Transmitter	34-NB	Drake No	ise Blanker
XCR30		ley Receiver	35-0	Dycomm	Amplifier
			35SSB	Cosmophone	
XÇU-27	National	Calibrator			Transceiver
XO-55Q	Galaxy	Xtal Oscil.	40 Trotter	Globe	Transmitter
*			51SB	B&W SS	B Generator
			51SB-B		B Generator
			60AT25	Aerotron	Transceiver
			60AT100	Aerotron	
					Transceiver
			60N35	Aerotron	Transceiver
Zeus	Clegg	Transmitter	60N35-B	Aerotron	Transceiver
•			62S-1	Collins	VHF conv.
			62T10	Clegg	Transmitter
			66'er		
1 10 0	D	Amplifier		Clegg	Transceiver
1-10-0	Dycomm	_	66 Scout	Globe Globe	Transmitter
1-A	Drake	Receiver	70AT40	Aerotron	Transceiver
2-A	Drake	Receiver	70AT100	Aerotron	Transceiver
2-B	Drake	Receiver	70E-8	Collins	VFO
			70E-8A		
2-C	Drake	Receiver		Collins	P.T.O.
2-CW	Meissner	Transmitter	70N50 .	Aerotron	Transceiver
2K -	Henry	Amplifier	75A-1	Collins	Receiver
2K-3	Henry	Amplifier	75A-2	Collins	Receiver
		Amplifier	75A-3	Collins	
2K-4	Henry				Receiver
2KD	Henry	Amplifier	75A-4	Collins	Receiver
2KD-3	Henry	Amplifier	75S-1	Collins	Receiver
2KD-4	Henry	Amplifier	75S-3	Collins	Receiver
2KR	Henry	Amplifier	75S-3B	Collins	Receiver
			77		
2KR-3	Henry	Amplifier		Elenco	Transmitter
2KR-4	Henry	Amplifier	90A Chief	Globe	Transmitter
2K-Ultra	Henry	Amplifier	99'er	Clegg	Transceiver
2-NT	Drake	Transmitter	100V Ce	ntral Elect.	Transmitter
3K-A	Henry	Amplifier	100X-2 Phase Two		Amplifier
			100X-240 Phase T		
III (3)	Galaxy	Transceiver			Amplifier
V (5)	Galaxy	Transceiver	101-500C FM Boos	ter Dycomm	Amplifier
V Mark II	Galaxy	Transceiver	101-500D Block B	ooster Dycom	m Amplifier
V Mark III	Galaxy	Transceiver	101-500E Brick B	ooster Dycom	m Amplifier
5BRF	Morrow	Converter	117B	Swan	AC P.S.
			117C	Swan	AC PS/Spkr
5W10X	Aerotron	Transceiver	117XB	Swan	
6AT85B	Aerotron	Transceiver			AC P.S.
6AT100B	Aerotron	Transceiver	117XC	Swan	AC PS/Spkr
6N2	Johnson	Transmitter	130	Lettine	Transmitter
6N2	Tempo	Amplifier	150	WRL	Amplifier
	-		150A Jewel Box	Wawasee	Amplifier
6N2 Thunderbo		Amplifier	160	Swan	VFO
6N15/TVR	Aerotron	Transceiver	1		
6N85	Aerotron	Transceiver	160-X	Swan	Transceiver
6N100A	Aerotron	Transceiver		ntral Elect.	
6RP	Gonset	Receiver	200X-2 Phase Two	Apollo	Amplifier
			212	Geloso	Transmitter
7AT100B	Aerotron	Transceiver	221	Amplidyne	Freq.Adptor
7N100	Aerotron	Transceiver	240		
10-0 Big One	Dycomm	Amplifier		Lettine '	Transmitter
10-10	Dycomm	Transceiver	240D	National	Receiver
	Central Elect.	Transmitter	242	Lettine	Transmitter '
10B			250	Swan	Transceiver
11-500	Midland	Receiver	250-C	Swan	Transceiver
11-520	Midland	Receiver			Transceiver
11-530	Midland	Receiver	260 Cygnet	Swan	
12 Jewel Box	Wawasee	Amplifier	270-B Cygnet	Swan	Transceiver
14-117	Swan	DC P.S.	270 Deluxe Cygne	t Swan	Transceiver
			300	Galaxy	Transceiver
	Crann III				
14A	Swan DC	P.S.Adaptor			
20A	Swan DC Central Elect.				

300X-2 Phase Two	Apollo	Amplifier
300X-240 Phase Two		Amplifier
302-C-3	Collins	Wattmeter
310B-1	Collins	Transmitter
310C-1	Collins	Exciter
310C-2	Collins	Exciter
312B-1 .	Collins	Speaker
312B-2		onsole/Spkr
312B-3	Collins	Speaker
312B-4		onsole/Spkr
312B-5	Collins Co	onsole/Spkr
		Receiver
315	Ten-Tec	
345 Sky Sweep	Tapetone	Receiver
350	Swan	Transceiver
350-C	Swan	Transceiver
350X-2 Phase Two	Apollo	Amplifier
351D-1	Collins	Mobile Mount
351D-2	Collins	Mobile Mount
381	Lysco	Transmitter
381-R	Lysco	Transmitter
400	Swan	Transceiver
400	Conar	Transmitter
400 Super Pro	Hammarlund	Receiver
400 Super 110	Apollo	Amplifier
	Ten-Tec	
405		Amplifier
406B	Swan	VFO
410	Swan	VFO
412	Swan	DC P.S.
470-25 UHF	Dycomm	Amplifier
470-30 UHF	Dycomm	Amplifier
500	Swan	Transceiver
500	Conar	Receiver
500 C	J&D Labs	Amplifier
500-C	Swan	Transceiver
500C FM Booster	Dycomm	Amplifier
500-CX	Swan	Transceiver
500D Block Booster		Amplifier
500E Brick	Dycomm	Amplifier
500ES Super Brick	Dycomm	Amplifier
500W	Gonset	Amplifier
504 Fleetcom	Johnson	Transceiver
505 Argonaut	Ten-Tec	Transceiver
508	Swan	VFO
512	Swan	DC P.S.
516E-1	Collins	DC P.S.
516F-1	Collins	AC P.S.
516F-2	Collins	AC P.S.
526 Fleetcom	Johnson	Transceiver
540	Johnson	Transceiver
600	Lysco	Transmitter
	ntral Elect.	Amplifier
600R	Swan	Receiver
600S	Lysco	Transmitter
600T	Swan	Transmitter
621	Amplidyne	Transmitter
650	Lysco	Transmitter
650	Utica	Transceiver
650A	Utica	Transceiver
651S-1	Collins	Receiver
680 Basecom	Comco	Transceiver
680 Fleetcom	Comco Ctrl	
680 Scout		Head/PS/Spkr
A	Globe	Transmitter
	Globe	Transmitter
V-1	urdo-Silver	Transmitter
	urdo-Silver	VFO
703 McMt	irdo-Silver	Freq. Multi.
720	Eico	Transmitter
722	Eico	VFO
723	Eico	Transmitter
730	Eico	Modulator

751	Eico	AC PS/Spkr
752	Eico	DC P.S.
753	Eico	Transceiver
800	McMurdo-Silver	Receiver
801	McMurdo-Silver	Receiver
802	McMurdo-Silver	Receiver
900C	Gonset	Transceiver
903A	Gonset	Amplifier
903A Mk2	Gonset	Amplifier.
910B	Gonset	Amplifier
911A	Gonset	AC P.S.
912A	Gonset	DC P.S.
913	Gonset	Amplifier
913A Mk2	Gonset	Amplifier
1000	J&D Labs	Amplifier
1011	Swan	Transceiver
1062	J&D Labs	Amplifier
1200-W	Swan	Amplifier
1200-X	Swan	Amplifier
2000	Tempo	Amplifier
2000+	Galaxy	Amplifier
2000B	Galaxy	Amplifier
2001	Tempo	Amplifier
2301	Sonar	Transceiver
2307	Sonar	Transceiver
3025	Gonset	Transceiver
3049	Gonset	Transceiver
3057	Gonset	Transceiver
3063	Gonset	Amplifier
3065	Gonset	Amplifier
3058	Gonset	Transceiver
3211	Gonset	Amplifier
3212	Gonset	Amplifier
4300	RME	Receiver
4350	RME	Receiver
4350A	RME	Receiver
5100	B &W	Transmitter
5100B	B&W	Transmitter
5100S	B&W	Transmitter
6100	B&W	Transmitter
6706	WRL	Amplifier
6900	RME	Receiver
7001C	Philmore	Receiver
6904	WRL .	Amplifier
68000 Lil Lul		Receiver
80810	Millen	Transmitter
90800	Millen	Transmitter
90801	Millen	Transmitter
90811	Millen	Amplifier
90881	Millen	Amplifier



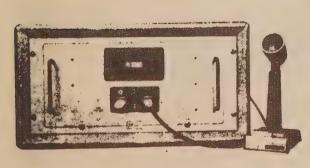




AEROTRON Two-Way VHF FM Mobile Radio - Type 60N35
35-Watts output 148-174 MHz; Type 70N50 50-Watts
output 25-54 MHz. Single channel standard; up to
4 channels local control optional. Automatic Modulation Limiting. Operates 13.6V DC; Crystal oven;
Receiver sensitivity: Low band .3 uv for 20db
quieting; High band .45 uv for 20db quieting.
Selectivity 6.5 kHz at 3db down. Double conversion
high freq. crystal lattice filter; noise compensated front panel adjustable squelch. Trunk mount
kit available as option. 5x11x8-3/4"D. 9 lbs.



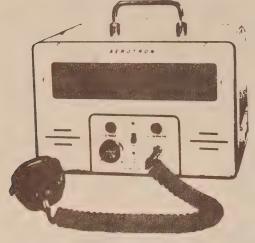
Model 60N35-B
AEROTRON Two-Way VHF-FM Base Station/- 35 Watts
output 148-174 Mc. Single channel standard, 4
optional (within .5 mc band). Operates on 115 or
230V AC. Plug in Unicall optional; Telephone remote optional; +-5 kc deviation. Receiver sensitivity .45 uv for 20 db quieting; selectivity: 6.5
kc at 6db down. Noise compensated front panel adj.
squelch. 5x11x11½"D. 12 lbs.



AEROTRON Two-Way 100 Watt FM Base Stations - Type 6N85/6N100A High Band 148-174 MHz; Type 70N100 Low Band 25-54 MHz. Single channel standard; 2 channel local & remote is optional. Power output: As Amplifier: 100 watts at 180 watts input (70N100 and 6N100A); 6N85 has 85 watts output at 120 watts input). As Exciter:6N100 and 6N85 15 watts nominal; 70N100 20 watts nominal. +-5 KHz deviation; Automatic adjustable Modulation Limiting. Operates on 117 VAC. Receiver sensitivity: 70N100: .3 uv, 6N100 & 6N85: .45 uv, for 20db quieting; selectivity 6.5 KHz at 6db down all units. Double conversion high freq. crystal lattice filter; noise compensated adjustable squelch ("Unicall" tone squelch option available); Remote telephone line adapter option available. 22½x15x11-3/4"H 65 lbs.

AEROTRON Communications Equipment

- Not specifically Ham Equipment, but useable.



AEROTRON Model 5W10X Two-Way VHF AM Mobile or Base Radio. 118-175mc, 10 watts output, 117V AC or 13.6 VDC or 6.8V DC operation. Tube throughout. Rcvr sensitivity 1 uv for 10db SN ratio; selectivity 8kc at 6db down; AVC; squelch front panel adjustable; series gate noise limiter. 11½x8x8½"D. 15 lbs.

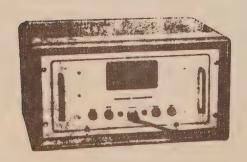


AEROTRON Model 6N15/TVR Two-Way VHF-FM Mobile or Base Radio System. 15 watts output 148-174mc. Single channel; +-5 kc deviation; operates 115V AC, 12V DC, 6V DC; crystal oven; Receiver sensitivity .45 uv for 20db quieting; selectivity +-6 kc at 6db down; "Unicall" tone squelch optional; crystal filter selectivity. 11½x8x8½"D. 15 lbs.



AEROTRON Two-Way VHF-FM Mobile or Base Radio System: Type 60AT25 25-Watts output 148-174 MHz,

Type 70AT40 40-Watts output 25-54 MHz. Single channel standard; 2 channel local & remote is optional, up to 4 channels local control optional. Automatic modulation limiting, adjustable; 13.6V DC operation; crystal oven; +5 Hz deviation; Recvr sensitivity: Low band .4 uv for 20db quieting; High band .45 uv for 20db quieting. Selectivity 6.5 Hz at 6db down; double conversion super het, high frequency xtal lattice filtering; noise compensated front panel adjustable squelch; fully transistorized receiver; multiple cavity resonator front end in 60AT25; "Unicall" tone squelch optional; noise blanker optional. May be front or rear mounted interchangeably. 112x8-3/4x5"H. 8#



AEROTRON Two Way 100 Watt FM Base Stations: Type 6AT100B 148-174 MHz; Type 7AT100B 25-54 MHz.

Transistorized. Single channel standard; 2 channel local & remote is optional w/up to 4 channels local control optional. 4-channel remote control available on special order. Power output 100 W at 180 watts input (type 6AT85B also available limited to 85 watts output). Operates 117V AC. Automatic Modulation limiting. Receiver double conversion high freq. lattic xtal filter; Noise compensated front panel adjustable squelch; "Unicall" tone squelch optional; Recvr sensitivity: Low-band .4 uv for 20db quieting; High-band .45 uv for 20db quieting; selectivity 6.5 KHz at 6db down. Fully Transistorized Rcvr. 30x15x11-3/4"H 65 lbs.



ALLIED Model A-2587 VHF-FM Monitor Receiver (c.1969) - Solid state superhet pocket-size receiver, covers 146-175 mHz FM. Operated on 4 AA penlight batteries or optional AC accessory adapter. Built-in 2-5/8" speaker, swivel telescoping ant. with jack for external ant. Earphone disconnects speaker when inserted in jack. 6x3-1/8x1-1/8". Complete with 4 AA batteries, carrying strap and earphone. \$19.95. 117VAC adapter \$4.95.

ALLIED Model A-2586 FM Monitor Receiver (c.1969) - Same as the Model A-2587 above but covers 27-50 mHz. Complete with 4 AA batteries, carrying strap and earphone \$19.95. 117VAC Adapter \$4.95. Shpg. wt. 1 1b.

(1969)



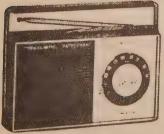
ALLIED RADIO SHACK SX-190 SWL Receiver (c.1971) - 11-Band Solid State SW Receiver covers 80, 49, 40, 31, 25, 20, 19, 16, 11 meters plus two 500kHz bands(xtals extra) between 3.5-10mHz. 4-FET front end, .5 uv sensitivity on SSB,CW at 10dbS/N ratio. Xtal controlled 1st oscillator, BFO, USB/LSB/CW. Preselector. 25/100kHz calibrator. Dual conversion. Ceramic filter. AGC and ANL. Q-multiplier. Concentric AF/RF gain controls. Anti-backlash dial with +-200hz visula readout. Dual 117 VAC/12VDC power supplies. 7x15x10". 20 1bs. Less speaker \$249.95. Matching speaker Model SP-190 \$19.95.



ALLIED RADIO SHACK AX-190 HAM BAND RECEIVER (C.1971) - Twin of the SX-190 above but for the Ham Bands. Covers 80, 40, 20, WWV(15 mHz), 15, 11, 10 meters in 4 bands plus one 500kHz(Xtal extra)between 3.5-10 mHz. 7x15x10". 20 lbs. Less speaker, \$249.95. Matching Speaker Model SP-190 \$19.95. 117VAC/12VDC.



ALLIED RADIO SHACK "Realistic" DX150B Ham/SWL SSB/CW Receiver (1972)
Continuous coverage 535 kHz to 30
MHz, illuminated electrical bandspread for 160-10 meters, separate
logging scale. IC in audio stages.
Fast and slow AVC; variable pitch
BFO; cascade RF stage; noise limiting in IF and audio stages; lighted
S-meter; Zener stabilization; OTL
audio with external speaker included and front panel headphone jack.
4 FET's, mechanical filter; product
detector. Operates 120VAC or 12VDC.
142x92x62". 15 lbs. \$139.95.

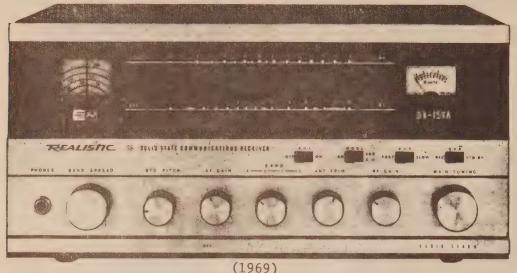


ALLIED RADIO SHACK "Realistic Patrolman" Portable Receiver (1972) - AM Broadcast band and 146-174 MHz VHF. Solid state receiver-monitor. Has squelch control on VHF. 22" telescoping antenna. Plays on 4 penlight cells. 1\frac{1}{2}x7x4\frac{1}{2}", high impact case with carrying handle. Shpg. wt. 2 lbs. \$26.95.

(1972)

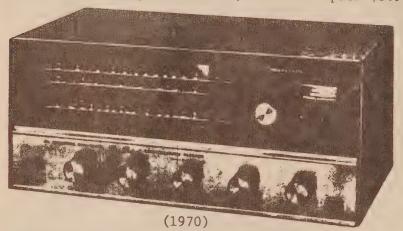
Included on this page is equipment marketed by ALLIED RADIO, RADIO SHACK, and ALLIED RADIO SHACK. (Allied KNIGHT-KIT Equipment is separately listed under KNIGHT-KIT).

RADIO SHACK "Realistic" DX-150 (c.1967) - Predecessor of the DX-150A pictured and described below. Identical appearance and circuit with these exceptions: DID NOT HAVE FET's in the RF, oscillator, and mixer stages; an IF filter for improved skirt selectivity; its own internal speaker. Price \$119.95 Voice selective spkr \$7.95.



ALLIED RADIO SHACK "Realistic" DX-150A Ham/SWL SSB/CW Rcvr Solid-state, FET's front end; 535 KHz to 30 MHz continuous coverage. Illuminated electrical bandspread 160-10 meters; separate logging scale. Fast & slow AVC; variable pitch BFO; Cascade RF stage; noise limiting in IF and audio stages; lighted S-meter; Zener stabilization; spkr jack, internal monitor spkr built in.

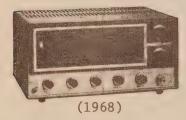
Operates from 117VAC, 8 "D" cells, or 12VDC. 144x94x642". 15 1bs. \$119.95. ACCESSORIES: Matching External speaker \$9.95; 8"D" cell pack \$8.95; 8-ohm earphones \$5.95. (c.1969)



ALLIED RADIO SHACK "Realistic"

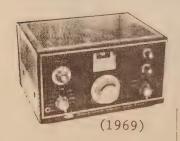
DX-120 "Star Patrol" - Tunes 535

KHz to 30 MHz (Receives 160-10M ham bands) continuous in 4 color coded overlapping bands. SSB, AM, CW modes. Variable pitch BFO; solid state; large illuminated dial with 0-100 logging scale; FET front end; electricla bandspread on 160-10M; AVC; S-meter; Regulated 117VAC/12VDC power supplies. Built-in monitor speaker; product detector. 12½x5½x7-3/4". 10 lbs. \$69.95. External matching speaker \$7.95; 12VDC Pack\$7.95 (c.1970)



ALLIED Model A-2515 Solid State Receiver (c.1968)— SSB/AM/CW modes. Covers 150-400kHz, then 550kHz to 30 mHz; 5 bands Calibrated bandspread 80-10 meters. Sensitivity: 2 uv for 10db S/N ratio; 4 mechanical filters provide 1.5kHz bandwidth selectivity at 6db down. 2 FET RF stage; ANL; AVC, variable BFO, product detector, illuminated S-meter, pushpull audio output. Dual 117VAC/12VDC power supply. 7-5/8x 15x10". 20 1bs. Less speaker. Japan. \$99.95. Matching speaker \$9.95. Deluxe Dual Headphone \$5.95. Outfit \$116.50

ALLIED RADIO SHACK Model A-2515A - Similar appearance and circuit but uses 2 MOSFET's for highsensitivity and 2 mechanical filters for a 1.8kHz bandwidth selectivity -6db. down. \$99.95, matching spker \$9.95, Headphones \$6.95. Outfit incl.ant. \$119.95.



ALLIED Model A-2516 Ham Band Receiver (c.1969) - 80-10 Meters, Sensitivity .4 uv - 2 uv depending on band for 10db S+N/N Ratio. Frequency standard signal on 10 MHz. Has AM, SSB, CW modes. Xtal controlled 1st oscillator, solid-state VFO(can be used as transmitter VFO); dual conversion; mechanical IF filters give 1.5 kHz bandwidth -6db down; anti-backlash double gear tuning dial reads directly down to 1 kHz; 28:1 dial speed. Preselector peaks weak signals; xtal controlled BFO; AGC; ANL; Builtin S-meter; switch for optional calibrator. 7xl3xl0. For AC. Less speaker \$169.95. Matching speaker \$19.95. A-2516 has 500 ohm phone jack and 500 ohm terminals for recording & TTY.



AMECO Model AC-1 Novice CW Transmitter Kit - Reliable TVI suppressed transmitter. Clean keying chirp-free. Xtal controlled for 40 and 80 meters CW. 15 watts input. Pi-network output. Includes AC power supply. Uses 6V6 and 6X5(furnished). Kit with coil for 1 band and tubes \$24.95. Other coil CK-1 \$1.10. Punched chassis, all parts, instr. included. 8#'s.

(c.1961)



AMECO TX-86 6-80 meter Transmitter - 90 watts AM phone and CW. Final 6146 operates straight thru all bands. Pi-net output circuit; TVI suppressed. Xtal or external VFO. Audio gain control; PTT mic jack. 5x7x7"D. Less power supply. Model TX-86K kit \$89.95; Model TX-86W wired \$119.95. Model PS-3 AC supply \$44.95; Model W612A DC Mobile Power Supply \$54.95 (Note: power supplies sold wired only).

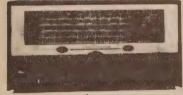
(c.1962)



(c.1965) (c.1964)

AMECO TX-62 2 and 6 Meter Transmitter - 75 Watts CW and AM Phone peak. Built in AC supply. Xtal controlled or external VFO. Meter reads final cathode current, grid current, and RF output. Solid state power supply. PTT mike jack. Potentiometer type drive control. Audio gain control. Add'l connections in rear for key and ant. relay. 11\frac{1}{2}x9\frac{1}{2}x6\text{"H. Wired and tested \$149.95. 8mc Xtals.

AMECO VFO-621 (shown with TX-62 above). 6,2,14 meters. Transistorized stable oscillator, high output 24-26 Mc amplifier. Built-in solid state Zener diode regulated AC power supply. \$59.95.



(c.1967)

AMECO R-5 Allwave Receiver. Fully transistorized-solid state. Covers .54 thru 54mc in 5 continuous bands. Includes standard broadcast band, all foreign broadcast bands, all amateur bands 160 through 6 meters, all 27mc CB bands, all 2-way frequencies 30 to 50 mc including police and fire. Controls include BFO, NL, Bandspread. Kit form \$64.95. Wired and tested \$79.95.



(c.1969)

AMECO R-5A Allwave Receiver. Fully transistorized-solid state. Covers .54 thru 54. Mc in 5 continuous bands Includes standard broadcast band, all foreign broadcast bands, all amateur bands 160 through 6 meters, all 27mc CB bands, all 2-way frequencies 30 to 50 mc including police and fire. Controls include BFO, NL, Bandspread. Provisions for external Q-multiplier. Wired and tested only, \$99.95. Battery adapter kit(permits operation from 12VDC or 8 "D" cells) \$3.95.

AMECO VHF FM Hand Held/Pocket Receiver - Model MP-1H 146-175 MHz, Model MP-1L 27-50 MHz. Solid state, Xtal controlled (1 channel) or tunable at flip of switch; single conversion superhet. Built-in telescoping ant., speaker, headphone jack(earpiece included); PP audio. Uses 4 AA penlight cells (AC power supply available for home use). 6x3½x1½. 8 ounces.

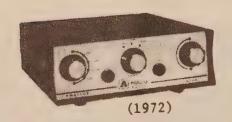


APOLLO PHASE TWO 100X-2 Base Station Linear Amplifier. (by "Village Twig").(1972). 200w. input AMw/2 to 5 watts drive. Front pnel selection of 15, 10/11, or 6 Meters. Automatic keying delay for SSB. No internal wiring of transcvr required. Relative pwr output meter, stand-by switch, 2 6LQ6 tubes. Operates from 120V 60Hz AC. 13 lbs. \$149.95.

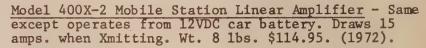
Model 100X-240 Same except covers only 10/11 M. band & operates from 240V AC. 19 1bs. \$169.95.

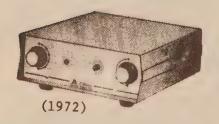


APOLLO PHASE TWO 200X-2 Mobile Amplifier (1972). 200 w. input on AM w/2 to 5 watts drive. Covers 10/11 M. bands. Automatic keying delay for SSB. No internal wiring of transceiver required. No internal tuning adjustments. Relative power meter, stand-by switch, transistorized automatic keyer. Brackets furnished for trunk mtg. Uses 2 6LQ6 and 2 - 2N1522 transistors. Remote control unit for under dash mtg available. Operates from 12V car battery, draws 30 amps when Xmitting. 14 lbs. \$194.50.



APOLLO PHASE TWO 300X-2 Base Station Linear Amplifier (1972). 100 watts input on AM w/2-5 w. drive. Front panel selection of 15, 10/11, or 6 meter bands. No internal rewiring of transceiver required. No internal Tuning controls. Automatic keying delay for SSB. Std-by position on selector switch. Transistorized automatic RF keyer built in. Operates from 120V AC 60Hz 8 lbs. Compact cabinet. \$99.95.





APOLLO PHASE TWO 300X-240 Base Station Linear Amplifier - (1972). Covers 10/11 meter bands only. 100 watts input on AM w/2-5 w. drive. No internal rewiring of transceiver required. No internal tuning controls. Automatic keying delay for SSB. Stand-by position on selector switch. Transistorized autoatic RF keyer built in. Compact. Operates from 240V AC 60 Hz. 10 1bs. \$119.95.



APOLLO PHASE TWO Base Station Linear Amplifier Model 350X-2 (1972). Covers 10/11 meter bands only. 100 w. input on AM with 2-5 watts drive. Automatic keying delay for SSB. No internal rewiring of transceiver required. No internal tuning controls. Stand-by switch. Transistorized automatic RF keyer built in. Has front panel power output and tuning meter and is housed in a cabinet 4-3/8x7-3/4x11½"D. Operates from 120VAC 60Hz. \$124.95.

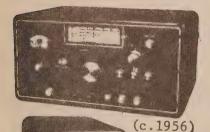
NOTE: Operating these amplifiers on 11 meter Citizens Band not legal in the U.S.





BARKER & WILLIAMSON Model 5100 Bandswitching Transmitter. Covers 80,40,20,15,11, and 10 meters. 150 watts input on CW. 135 watts AM phone. VFO stable with accurately calibrated dial, or xtal control(80 meter xtals for all bands). Pinetwork output. Built-in low pass TVI filter. Unitized construction for easy access any section. 2 - 6146 finals. Slide rule type dial. All purpose meter indicates amp. grid current, amp. plate current or mod. plate current. 110VAC (c.1953) supply built in. 22x11\(\frac{1}{2}\text{x}14-3/4\)". Wt. 90 lbs. \$442.50.

> B & W Model 5100S Bandswitching Transmitter. AM phone, CW, SSB with Model 51SB or 51SB-B Single Sideband Generators. Covers 80-40-20-15-11-10 meter bands. Input power 135 watts phone, 150 watts CW. VFO or Xtal operation. Pi-network output. Built in low pass TVI suppression filter. Stable VFO 2 - 6146 final tubes. 110V AC supply built in. 22x11½x14-3/4" 90 1bs. \$467.50.



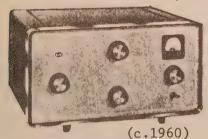
B & W Model 5100-B Bandswitching Transmitter. Covers 80-40-20-15-11-10 meters. AM phone, CW, and can be used for SSB with the 51SB or 51SB-B Single Sideband generators. VFO or xtal control. 145 watts input AM, 180 watts CW and SSB. Pinetwork output thru low pass filter. TVI suppressed. Stable VFO with accurately calibrated scale. 115 V AC supply built in. 22x11½x14-3/4". 95 1bs. \$525.

B & W 51SB-B Single Sideband Generator. Companion unit to 5100-B transmitter. Features complete bandswitching, VOX, PTT, and speaker deactivating circuit. Power supplied by transmitter. 501bs. \$265.

B & W 51SB Single Sideband Generator. Similar to the 51SB-B but with built-in power supply. Use with 5100, 5100S, 32V- etc. \$279.50 (c.1955)



B & W Model 6100 SSB-CW-AM Transmitter. Covers 80 thru 10 meters. 180w PEP input on SSB, 180w. on CW, 90 watts on AM. Employs crystal-controlled frequency synthesizer, crystal lattice filter, ALC circuit. Dial accuracy better than 1 Kc on any band. Selectable USB/LSB, also VOX. Grid block keying circuit. Parallel 6146's in final. Solid state built-in power supply 105-12V, 60 cycle AC. Low drift. 92x18-3/4x16. 60 1bs. \$875.

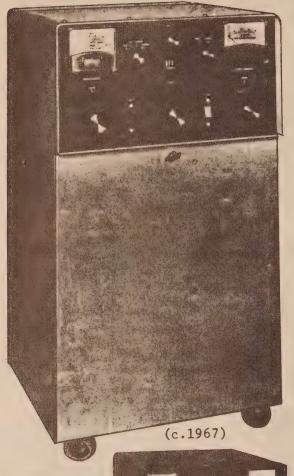


B & W Model LPA-1 Grounded Grid 1 KW Linear Amplifier. Ideal companion for the Model 6100 transmitter or can be driven by most transmitter-exciters in the 100 watt output class. 2 Type 813 beam power tetrodes, connectedas high-Mu triodes in a grounded-grid circuit. Pi-Network output circuit for precise loading throughout the 80-40-20-15-10 meter bands. LPA-1 is the R.F. section using a separate Power supply LPS-1 which provides 2500 VDC at 400 Ma. from its 115 VAC source. LPA-1 is 9x18x16. 50 lbs. \$375. Size of the LPS-1 Power (1956) supply is 8x17x15". Wt 52 lbs. Price \$205.

B & W L-1000-A GROUNDED GRID LINEAR - 1 KW Final with pi-network output for precision tuning and loading 80 to 10 meters. Rating, 1000 Watts PEP SSB, 875 watts CW, 375 watts linear AM phone. Broadbanded input requires no tuning. Contains own 117 VAC power supply. Controlled by single front panel switch. 80 watts drives it to full output. 16x21x15". 125 lbs. \$495.



B & W L-1001-A Linear Amplifier. 1250 watts PEP SSB input, 1000 watts CW, 375 watts AM. Bandswitched coverage 80 thru 10 meters. Broadbanded input needs no tuning. Uses pair of 813's with pi-network tank. 80 watts drives to full output. 50-75 ohm load. Has built-in supply to provide filament and bias voltages, but less 813's and plate supply (1750 to 3000 volts suggested). Designed for rack mounting. 110-120V AC. Size 16x21x15. 44 lbs. Price \$240.



BRAD THOMPSON INDUSTRIES BTI LK-2000 Linear

Amplifier - Designed for maximum legal input

limit all modes. 2000 watts PEP SSB, 1000 W.

CW-AM-RTTY. Full 1000 watts plate dissipation

using Eimac 3-1000Z. Full loading all bands

80-10 meters 3.5 to 30 mHz(can be extended to

3 mHz with Mod. Kit). Grounded Grid zero bias;

drive 50 to 200 watts RF; Line volts: 230 VAC;

Thru line wattmeter - 0/200/2000 forward watts,

0/200 reverse watts; tune and load indicator;

dummy load switch on front panel for optional

dummy load; Meters: 0/1000 MA plate current,

Multimeter, 0.400 Grid MA, 0/4000 plate volts.

Tune, 0/200 W, 0/2000 W, 0/200 W(reverse).

Instant reset overcurrent relay. Pi-L output.

Broad tuned Pi input. After cooling blower

stays on 1 minute. 2 section tune capacitor:

0/100 and 0/300 pf for easier tuning on 10,

15, and 20 M. Adjustable ALC control on front

panel. Instant transmit, no warm up wait with

solid state power supply. Compatible with most

modern transceiver exciters. 16½x16x30"H(incl.

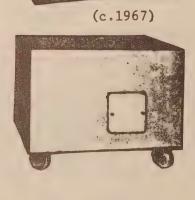
casters). Wt about 130 lbs. Price class \$795.

BTI LK-2000HD - Heavy Duty version, designed for MARS and other applications requiring continuous operation at power inputs in excess of amateur requirements. Wt. 134 lbs. 16½x16x30"H. BTI LK-2000HD Linear Amplifier price class \$895.



BTI RF-2000 - Table Top version of the LK-2000 Linear Amplifier. Same specs. Price class \$516.

16\forall x16\forall x14\forall 'H (incl. feet). Wt. 50 lbs.



BTI PS-3000 Power Supply - Line volts 230VAC, 50 to 60 Hz, 20 Amps. 3000 volts, 1000 MA Solid state. May be purchased separately for use with BTI RF-2000 Table Top Linear Amplifier above or for those who like to build their own. PS-3000 164x15x12½"H(ind.casters) 100 1bs.\$400.

ACCESSORIES: <u>DL-2000 Dummy Load</u> - For tuning transmitters having power ratings over 2000 watts input. Includes a changeover relay for switching transmitter output from station antenna to dummy load. $24 \times 5 \frac{1}{3} \times 2 \frac{1}{3}$ ". Must be vertical. Designed to mount on rear of LK-2000, may be used with other transmitters. Changeover relay supplied with 115V. AC coil normally. A thermo-switch with normally closed contacts opens when load reaches it masimum rated 220° F. The contacts of the thermo-switch may be used to shut off the power to the load or to actuate a warning device. Price class \$95.

1109-17 Modification Kit for separating the RF section from the power supply...\$36.

1109-35 Modification Kit to extend frequency range to 3 mHz...\$6.00.



(c.1954)

Central Electronics: C.E. Model 10B SSB Exciter Transmitter - Successor to the Model 10A. Phasing type exciter or low power transmitter for switchable SSB(with or without carrier), double sideband reduced carrier AM, narrow band phase modulation, break-in CW. Voice controlled break-in and receiver muting. Operates 160 thru 10 meters. 10 watts peak output. Will drive KW beam pwr linear amp or 400 watt triode linear amp. 9000 Kc master xtal oscillator. Socket for external VFO. Socket on panel for injection frequency xtal. Multiband operation using plug-in coils. 110-120 VAC operation. Accessory Power Socket. Furnishes blocking bias for linear amplifier and voltages for optional VFO (Modified BC458 suggested as excellent multiband VFO). 40 db or more suppression of unwanted sideband.

kit price \$129.50 including 9000 Kc crystal, prealigned phase shift network, tubes, plug-in coils for 1 band. Wired and tested \$179.50. Extra plug in coils \$3.95 per set(1 band). 14-3/4x8-3/4x10". Wt. 35 lbs. Choice of

grey table model, grey or black wrinkle finish rack model.



C.E. Model 20A SSB Exciter Transmitter - Has same features as the 10B plus: Complete bandswitching on all bands; 20 watts peak output; magic eye carrier null and peak modulation indicator. For 110-120V AC 60 cy. 14-3/4x8-3/4x10". 40 lbs. Kit with 9000 Kc crystal, prealigned phase shift network, wired and tested 3-stage bandswitch RF unit, wiring harness, tubes, all parts, and complete building and alignment instructions; less frequency injection crystal, \$199.50. Wired and tested \$249.50. Choice of grey table model, grey or black wrinkle finish rack model.

C.E. Model QT-1 Anti-Trip Unit. Prevents loud noises from speaker such as loud signals, heterodynes, and static from tripping the voice break in circuit. 2 lbs. Plugs into socket inside 10B or 20A. All electronic, no relays. Wired, w/tube. \$12.50.



(c.1955)

C.E. Model 600L Broadband Linear Amplifier. No tuning controls other than bandswitch. Single 813 in Class AB2. Up to 60% linear efficiency. For 50-70 ohm coax input. 8 watts drive required for 500 watts DC input. Built-in power supply-bias and screen regulation. Effectively TVI suppressed; 18x8-3/4x14½ D. 100 lbs. Choice of grey table top, or grey or black rack models. Automatic relay protects 813 and RF couplers. \$495.



(c.1957)

C.E. Model 100V Transmitter-Exciter. RF output 100 watts PEP, continuously adjustable down to 10 watts with Power Output Control. Covers 80 thru 10 meters with spare position on bandswitch for 160 meters, Mars, CAP, etc. Built-in precise VFO Direct reading 1 KC calibration all bands. Separate .1 Mc slide rule dial and KC window. 2 speed tuning knob, permeability tuned 2 tube oscillator circuit. Broadband circuits throughout. Meter reads Watts input 0-200, RF amps output. USB, LSB, DSB all suppressed carrier; LSB, USB, DSB AM with preset carrier; Phase Modulation (PM), CW, FSK with preset carrier. FSK freq. deviation adjustable. 2" RF Analyzer scope built in. Calibrate Level Control; Built in audio filter. 18x8-3/4x15". Wt. 100 lbs. \$795. Gray finish.



(c.1961)

C.E. Model 200V Broad Band Exciter/Transmitter - only 1 tuning control: the VFO. 200 watts PEP on SSB; 175 watts CW, FSK and PM; 100 watts AM. Covers 80 thru 10 meters plus spare position for factory installation of broadband coils for 1.75 to 2, MARS, CAP, etc. Built-in 2" monitoring scope. Calibration accuracy 1%. Audio filter. Illuminated meter. VOX, spare contacts on the relay. Uses pair of 6550 tubes in broadband output circuit. Solid state 117 VAC power supply built in. Excellent regulation. 9x94x15". 93 lbs. Grey color. \$795.

CLEGG Model 62T10 VHF 3-Band AM/CW Transmitter - Covers 10-6-2 meters - completely bandswitched. TVI suppressed. High level modulation. Speech clipping. 150 Watts CW, 100 watts AM output on all 3 bands. Rack mount. Clegg Model 62T10 Climaster VHF 3-Band Transmitter.

(c.1956)



CLEGG Interceptor Receiver for 6 and 2 meters. Double conversion on 6 meters, triple conversion on 2 meters. Nuvistor RF stages. 10.7mc lattice crystal filter. Sensitivity .1 uv. Tuning accuracy of less than 3 KC in calibrated 1 MC ranges. Input provision for 220 Mc, 432mc, and other converters. Hash suppression, noise limiter. Output terminal for Pan—daptor and monitoring scope. Calibrated tuning meter. 15x9x9" D. For 117 VAC. 32 1bs. \$473.

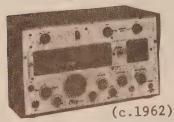
CLEGG Interceptor B Receiver for 6 and 2 meters. Improved Interceptor Receiver. Coverage: 49.95-54.1 & 143.95-148.1 Mc; .1 uv sensitivity for 10db S/N ratio. Less than 5% cross modulation of luv by 25uv signal. Calibration readable to

±3Kc. A new electrical bandspread control provides +-1 Kc to the receiver's main tuning dial for ease in tuning SSB and CW signals. Separate diode and product detectors. Automatic and variable threshold noise limiters. 3KC xtal filter for SB/CW, 7KC bandpass for AM. Calibration in 8 overlapping 1 Mc ranges. S-meter included. Internal 115 VAC power. Has external converter input. Less speaker. 15x9x9". 32 1bs. \$495.



INTERCEPTOR AllBander HF Tuner/Speaker - Plugs directly into the Interceptor B, easily adapted to earlier Interceptor. Tunes 3-31 Mc continuous. Includes speaker to match Interceptor. Sensitivity 1 uv for 10db S+N/N, spurious down 50db. 7x7x5½" 6 1bs. \$129.95.

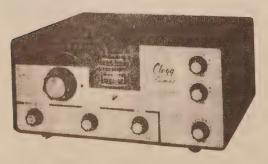
(c.1964)



CLEGG Zeus 6 and 2 Meter Transmitter. 185 watts AM or CW on both bands to a 7034 4X150A Final & silver plated tank circuits. 811A's Class B plate modulation. 18db speech clipping with automatic modulation control. Crystal oscillator or built-in ultra stable VFO. Flywheel tuning dial. TVI suppression. In two cabinets: RF section 15x9x9". 30 lbs. Power supply/modulator section 17x11x13". 80 lbs. 10' cable for interconnecting supplied. \$695.

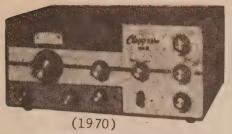


CLEGG Apollo 700 6-Meter Linear - 700 watts PEP with as low as 10 watts drive. 2 new 8236 final tubes with full metering of: Grid Drive, Screen Ma., Plate Ma., Relative RF out. Panel selection of exciter only/linear, when used with VENUS. 3 illuminated meters continuously metering critical circuits for easy tune-up. 50-70 ohm input-output. Built in 115V AC solid-state power supply. 15x7x10½"D. 35 lbs. \$269.50. Cabinet matches the Clegg Venus. (Apollo/Venus Interconnecting Kit \$13.95.) Has blower for cool operation; no neut. necessary

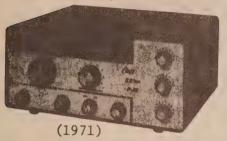


(c.1970)

CLEGG Comet SSB/CW 2-Meter Transmitter - Covers any 5 preselected 500 kHz band segments between 143.5 and 148.5 mHz (selectable by panel switch). Stable, solid-state VFO. Solid-state hot carrier diode balanced SSB generator, 8 crystal, lattice filter, unique freq. spotting, self-contained VOX, full metering, instant QSY. 125 watt PEP input SSB, 50-60 watts PEP output, 150 watts DC input CW, 75 watts carrier output. Built-in AC power supply. 12½x5½x11½"D. 20 lbs. \$399.95. Clegg PTT Microphone Model 551-003A \$9.75. Clegg T/R Booster (functions as antenna changeover relay and low noise receiver preamplifier) \$47.50.



CLEGG 22'er MK II AM Transceiver - 40 watt transmitter; built-in VFO. Sensitivie receiver. Solidstate receiver. Amplified AGC. Adjustable squelch. Covers 2 Meter Band, MARS and CAP. High level modulation. Built-in AC and Mobile Power Supply. Amateur Net price \$349.95 complete w/PTT microphone.



CLEGG 22'er FM FM Transceiver - 60 watt, 9 channel transmitter, continuously tuneable solid-state rcvr. Self-contained including 115VAC and 12VDC pwr supplies. Deviation front panel adjustable 2 to 15KHz. Mechanical receiver filter for 60db adjacent channel rejection, less than .15uv for 20db quieting. Circuits broadbanded for instant channel change of more than 1 MHz. Individual trimmers for each transmit channel permit absolute netting with 8MHz crystals. Provisions for P/L and Tone Burst, Spot, and "talk-on-frequency" facilities. NOW AVAILABLE WITH 2 RECEIVER TUNER CHOICES:

The Series 24 full 2 meter coverage from 143.4 to 148.3MHz. Calibration in 100KHz increments readable to 25KHz. Price with 146.94 transmit crystal and PTT microphone is \$369.95. The Series 25 has restricted coverage from 145.9 to 148.2MHz with tuning dial calibrated in 30KHz "channel" designations. Price w/access., \$384.95.



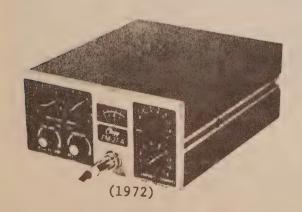
(1971)

CLEGG FM-27 2-Meter FM Solid State Transceiver featuring mobile operation with the Clegg Crystiplexer direct readout synthesized receiver tuning. Xmtr covers 143-148 MHz, 25 wtts RF output, 10 Xtal controlled channels(146.34 and 146.94 provided as part of the crystiplexer), adjustable ±5 to ±10 KHz camer dev. Rcvr covers 146-147 in sw. selectable 100KHz increments, continuous tuning within 100KHz groups. Sensitivity .35uv for 20db quieting (.25uv for squelch activation). Internal spkr. 3½x8x93/4"D. 3 lbs. Operates on 12VDC. Includes noise can-

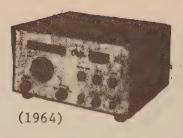
celling PTT mic, pwr cord, lockable dash mtg. plate. \$449.95. Accessories available: X-27 Crystal Kit for 10 channels \$34.95; AC/DC Converter Model FM-27C for 115V AC/Spkr Base operation; FM-H/L Hi-Lo pwr conserving kit. Marketed 1971.



CLEGG 22er MK III 2-Meter AM (1972)
Transceiver. Improved built-in
stable VFO, receiver sensitivity,
image & spurious rejection. Operates from 115VAC or 12VDC. Price
complete with microphone \$389.95.
Sensitivity .25uv for 10db S/N
ratio. Selectivity 10Kc at 6db.
Tuning range: 144 to 146/VFO,
143.5 to 148.5 MHz with Xtal.
Power rating: 45 to 50 watts plate
input, 20 w. carrier output. Redesigned Rcvr w/MOSFET RF, Monolithic 10.7MHz Xtal filter. Xtal
controlled Receive channel provided.
New dial readout and improved tuning rate & system.



CLEGG FM-27A 2-Meter FM Transceiver (1972) Both transmit and receive frequencies synthesized with Clegg Crystiplexer. Sensitivity .35uv for 20db quieting; .luv for reliable squelch action. Selectivity 11KHz at 3db. Tuning range 146-148MHz continuously tunable. PTT, noise cancelling ceramic mic. supplied. Pwr output 20 w. min. into 50 ohm load. P/A transistor protected for infinite VSWR. Operates 12-14VDC. Metering: Rcvr discriminator, Xmtr relative output, automatically switched. Internal speaker. Price complete with noise-cancelling mic and antitheft mount \$449.95.



CLEGG 22'er 2 Meter Transceiver - Receiver features: Triple conversion; crystal lattice filter selectivity of 10Kc at 6 db and less than 16Kc at 50 db; freedom from spurious response; no IF leak through and images; panel meter doubles as calibrated S-Meter on receive and "relative output" meter for transmitter tune up; full 143.8 to 148.2 Mc coverage; calibrated tuning dial; squelch; AGC; Nuvistor RF stage .25 uv sensitivity (6db S + N to N); 3 watts audio output, self-contained high efficiency mobile noise speaker; ANL.

Transmitter features: Broadband exciter stages for rapid QSY; straight thru final amplifier with crystal controlled 18 watt input; high level plate and screen modulation for high talk power; PTT with external linear and VFO switch provisions; Xmtr frequency spotting switch; self-contained universal solid state pwr supply for

115VAC and 12VDC; 2E26 final amp. 12x7x11; uses 8mc xtals. \$239.50.

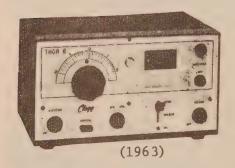


CLEGG 99'er 6 Meter Transceiver - Dual conversion superhet; ANL; squelch; S meter; AVC. Low noise RF pre-amplifier. 8,12,16 or 24 mc xtals. Covers 50-52mc. 8 watt Xmtr Xtal controlled. Built-in speaker, vernier tunig. 9 tubes plus rectifier; AC power supply; 10x6x8". Wt 14#. \$159.95



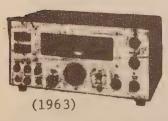
CLEGG 66'er 6 Meter Transceiver - Supersensitive receiver: Dual conversion; sharp 8Kc selectivity; free of birdies & spurious signals; S Meter doubles as xmtr tuneup meter; 49.9 to 52.1mc coverage; excellent dial readout and bandspread; sharp, adjustable squelch; AGC; 0.5uv sensitivity; ANL; internal speaker with external speaker provision. Transmitter: 22 watt final, stright thru amp for low harmonic output; dual self-contained solid state 115VAC or 12VDC pwr supply; PTT with provisions to automatically switch Apollo Linear and external VFO; broadband for rapid QSY; free from spurious outputs-no TVI problems; high level modulation with speech clipping; Xmtr freq. spotting

switch; operates with 8.3,12.5,25mc xtals; ideal for MARS, CAP. \$249.95, mic \$10.50



CLEGG THOR 6 6-Meter Transceiver - Transmitter features: 60 watts input on phone or CW to 6883 final; Built-in VFO that automatically tracks the receiver or switches to crystal control for fixed freq. operation; all stages broadbanded for easy QSY; speech clipping; built-in PTT; built-in keying relay for clean, chirpless keying. Receiver features: Nuvistor front end; crystal lattice filter; BFO with variable carrier injection for SSB reception; ultra-stable tuneable local oscillator that also functions as VFO for transmitter; 2 watts into built-in 3.2 ohm spkr. effective ANL; sharp reduction in spurious response

and cross modulation. Two unit construction. Power supply/modulator unit with 10 foot interconnecting cable provided. AC operation \$349.95. 12VDC Mod./Pwr \$100.



CLEGG VENUS 6 Meter Transceiver - Outstanding features include a nuvistor high sensitivity low noise front end, crystal lattice filter in both receive and transmit, \pm 1.5kc receiver offset tuning, broad band circuits throughout for ease of tuneup, and a separate front panel control for carrier injection. Frequency Range: 49,975 to 50,475KC standard (other ranges on special order). 85 watts PEP input - all modes (AM,SSB, and CW.) 9Mc lattice filter SSB. Unwanted sideband down more than 50 db at 1000 cycles. Carrier suppression greater than 56db.

Stability: Less than 500 cycle warmup drift after first 5 minutes. Less than 100 cycles/hour drift after warmup. Receiver sensitivity: .25 uv for 6db S/N on AM, .1 uv for 6db S/N on SSB. Selectivity: 2.7Kc at 6db, less than 6Kc at 50db. Spurious images and IF leak down more than 60db. Fast attack AVC, panel selectable release times. AF output 2 watts at 3.2 ohms. 15"Wx7"Hx10½D. Wt. 22 lbs. \$495. 115VAC 60cy Pwr \$110.



COLLINS 70E-8 Variable Frequency Oscillator - Basic unit for constructing high quality VFO Exciter unit. Shpg. wt. 8 lbs. \$40. Permeability Tuned Oscillator (frequently identified as a PTO).

(Before 1949)

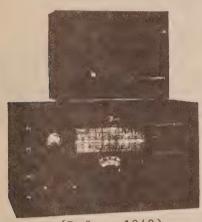


(Before 1949)

COLLINS 310B-1 Self contained 15 Watt output, band switching exciter. Complete with tubes and instruction book. 48 lbs. \$190.

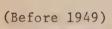
COLLINS 310C-2 - Consists of a 70E-8 Permeability Tuned Oscillator (PTO) and multiplier. Output to drive low power driver stage or to plug in xtal socket. Shpg. Wt. 28 lbs. Complete with tubes and instruction books. \$100. Includes AC power supply.

COLLINS 310C-1 Same as 310C-2 above but less power supply. Complete with tubes and instructions. Shpg. wt. 26 lbs. \$85.



(Before 1949)

COLLINS 75A-1 Amateur Receiver - Permeability tuning provides linear calibration on all bands. 10 turns of the vernier tuning dial cover the 80, 40, 20, 15, 11 and 10 meter bands. Each division of the vernier dial which has 100 divisions represents 1 KC on 80,40,20 and 15 meters, and 2 KC on the 11 and 10 meter bands. Crystal controlled 1st conversion, accurate and stable VFO in the 2nd conversion circuit; linear, rigid tuning mechanism with no backlash. Correct to 1 dial division. High rejection to spurious frequencies. Image rejection 50db; IF rejection is 70db minimum. Series type clipper noise limiter which automatically adjusts to operating conditions. 214x124x14"D. Chassis is mounted on a standard 19" panel which can be removed from the cabinet for rack mounting. Complete w/14 tubes and speaker (shown on top of receiver). \$375.





32V-1 Transmitter

(Before 1949)

COLLINS 32V-1 Transmitter - 150 Watts CW, 120 Watts AM Fone. Complete bandswitching from 80 thru 10 meters. Precision VFO on all bands. May be operated PTT, has builtin antenna matching network. The modulator is equipped with 500 ohm output in case it is desired to use the 32V-1 as a driver for a kilowatt. Self-contained AC power supply. 4D32 Final, 2-807 Mod. Complete w/tubes, price \$475.

COLLINS 32V-2 Transmitter - As 32V-1 above plus Fine and coarse antenna loading controls on panel; trap circuits; front panel tune/ operate switch; caxial antenna terminal; harmonic attenuating network. \$575. (32V-1 factory converted to 32V-2 for \$100.)(c.1950)

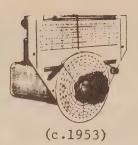


(c.1951)

COLLINS 32V-3 Transmitter - 80 thru 10 M.
VFO controlled, bandswitching, gang-tuned transmitter. 150 Watts input CW, 120 W.AM.
Extensive TVI reduction provisions. Operated PTT switch on mic, a key, or separate switch. Grid block keying; break-in operation. 115V AC supply built in. 21½x12½x14"
D. Complete w/tubes and instructions.
Spg. Wt. 128 lbs. \$775. Pull handles on panel to remove it from chassis. panel to remove it from chassis.

(Above picture): COLLINS 30K Transmitter - 500 Watts CW, 375 Watts AM Phone. Bandswitching, covers 80 thru 10 meters. Exciter sits on operating desk. 50 to 72 ohm output coaxial. 3 pairs of antenna terminals. Audio peak clipping circuit prevents overmodulating, permits high audio power. Cut-off filter attenuates frequencies above 4000 cps. Fully metered; PTT; PTO VFO controlled; break in operation. Built-in 115V AC Power supply. 4-125A P.A., 2-75TH Class B modulators. 22x16½x66½"High. Complete with tubes - \$1450. Fueed primarica. 100% modulation plete with tubes - \$1450. Fused primaries. 100% modulation.





COLLINS Permeability Tuned Oscillator (PTO) Model 70E-8A. Extremel y accurate, linear range of 1600-2000 Kc. 16 turns of the vernier dial required to cover the 400 Kc range. Use in exciters, heterodyne freq. meters, receiver alignment equip. 10 volts output from 6SJ7 osc. tube available. VFO 4½x5¼x 2-3/4"wide. Dial 10"x8", 1-3/4" behind panel. Complete w/tube, slide rule, vernier dial assembly, and instruction book. \$97.50.

COLLINS KW-1 Transmitter - 1000 Watts input AM Phone and CW. Provisions for NBFM. Covers 160 thru 10 meters. Complete bandswitching. Multiple tuned circuits for TVI reduction. Pi-network output followed by L section for harmonic attenuation. Speech peak clipper and low and high level filter permit high % of modulation without splatter. 27 tubes. $28 \times 18 \times 66 \frac{1}{2}$ H. 115-230V AC power single phase grounded neutral 50-60cy. With tubes. 1024 lbs. \$3850.



COLLINS 75A-2 Receiver - Double conversion, covers 160 thru 10 meters including 2.5mc WWV. 9 tuned tuned circuits at 455 Kc IF, plus an improved crystal filter. Selectivity variable in 5 steps by front panel control. Drum type dial with vernier. Slide rule dial calibrated directly in .1 mc, the vernier dial at 1 Kc intervals low bands, 2 Kc on 11 and 10. Zero set control on front panel. Antenna trimmer with front panel control. 90 lbs. Less speaker. \$420. Speaker \$20. 100 Kc Crystal Calib. Model 8-R-1 \$25. 148C-1 NBFM Adapter \$22.50

COLLINS 75A-3 Receiver - As the 75A-2 above plus new Collins Mechanical Filter. Plugin provision for 2 Mechanical Filters (A 3 KC filter is standard factory equipment with the 1 KC Plug-in filter for CW selectivity available). 70 lbs. Less speaker \$530. 10" Spkr in matching cabinet \$20. 8R-1 100Kc Xtal Cal.\$25(plugs in chassis socket).



COLLINS MECHANICAL FILTERS for use with the 75A3 and converted 75A-1 and 75A-2 Receivers: (75A-2 factory converted to use Mechanical Filters including 3 Kc filter and complete realignment \$125. Or a Do-ityourself Mechanical Adapter Kit Type 35C3-31 Plug-in Type for the 75A-1 \$65; Type 75A-2A to convert the 75A-2 with 3 KC filter \$80.)

Type F455A-08. Type F455A-31.

800 cycle mechanical filter with solder terminals \$35. 3.1 Kc mechanical filter with solder terminals \$35.

Type F455B-08.

800 cycles (plug in) for modified 75A-2's, early 75A-3's \$35. 800 cycles (plug in) for late model 75A-3's \$35.

Type F455C-08. Type F455B-31.

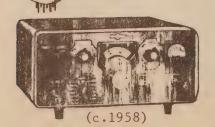
Type F455B-60.

3.1 Kc filter (plug in) as used in early 75A-3's \$35. 6.0 Kc filter (plug in).



COLLINS 75A-4 Receiver - Covers 160 thru 10 meters. Double conversion; permeability tuned, sealed VFO; Xtal controlled 1st oscillator; mechanical filters in IF for excellent selectivity. AVC on SSB, CW and AM. New Noise Limiter circuit works on SSB, CW and AM. Pass band and sharp rejection tuning. Built-in xtal calib. 3.1 Kc mech filter standard equip. with 800 and 6 kc optional equip.). 22 tubes. $10\frac{1}{2}x17\frac{1}{2}x15\frac{1}{4}$ 49 lbs. Less speaker. \$695. Model 270G matching spkr \$22.

COLLINS Mechanical Filters Series 455J for the 75A-4 Receiver. Wt. 1 lb. F455J-05 800cy. for CW \$54.75; F455J-05 500cy. for CW \$54.75 F455J-31 3.1 Kc (supplied with 75A-4 as original equipment) \$45. F455J-60 6.0 Kc for AM where interference is not a problem \$45. F455J-21 2.3 Kc for SSB \$45.



COLLINS 32S-1 SSB Transmitter - Input 175 Watts PEP SSB, 160 Watts CW. Mechanical filter SSB generator; permeability tuned VFO, USB, LSB operation; ALC, VOX. 2-6146 final. Frequency control system consists of VFO functioning with 13 heterodyne xtals which permits coverage of any 13 200 Kc ranges from 3.4-30mc. Covers 80 thru 10 meters. Provides 10db audio compression, 50db carrier suppression. Has 600 ohm phone-patch input. Output impedance 50 ohms. $7x14\frac{1}{2}x11-5/8$ ". Less power supply(below). 17 lbs. \$590.

COLLINS 516F-2 Power supply. 110-120 VAC. For 32S-1 etc. 64x72x10". Wt. 27 lbs. \$105. COLLINS 516E-1 Power supply. 12VDC mobile supply for 32S-1, 75S-1, etc. 6 power transfistors as switching elements at 600 cps. With cables. 44x5x9". 18 lbs. \$283.25.



COLLINS Model KWS-1 Transmitter. Exciter and RF amplifier housed in single receiver-size cabinet which may be placed on operating desk or on top of power supply cabinet. AM, CW and SSB. Bandswitching on 80 thru 10 meters. Selectable sidebands. VOX-PTT; provisions made for voice-operated break-in while using loudspeaker on receiver. Extremely accurate VFO dial and Collin mech. filter; Pi-net-work output circuit. VFO dial calibration of 1 KC per division on all bands. Linear RF amp. uses two 4X150A's in Class AB operation. 1 KW PEP SSB, 1 KW CW operation. Equivalent to 1 KW on AM when using narrow-band width receiver. 52 ohms output impedance. High impedance mic. input. Phone patch impedance:600 ohms unbalanced to ground. $40\frac{1}{2}$ x17 $\frac{1}{4}$ x15 $\frac{1}{4}$ D. 260 lbs. Power Supply included \$1995.

(c.1955) N

Model KWS-1K Exciter and Power Amplifier of the KWS-1 \$1225. Model 428A-1 HV Power Supply of the KWS-1, with tubes, \$700.



COLLINS 75S-1 Receiver - For SSB, AM, CW. Use alone or with 32S-1 transmitter for compact station. Receiver VFO can be used to control both units for transceiver operation. Tuning system consists of VFO with oscillator that accommodates 14 heterodyne crystals for coverage of any 14 - 200 Kc ranges from 3.4-30 mc. 12 crystals supplied. Covers 80 thru 10 M, WWV. Dual conversion, xtal controlled 1st oscillator. Permeability tuned VFO, mechanical filter for high selectivity, 100 Kc calibrator, and product detector. Sensitivity: 1 uv for 10db quieting. IF rejection 70db, image rejection 60db. Choice of 3 degrees of selectvity: 2.1 or .5 Kc mechanical filter. Or IF transformers for AM 7x1/4xx11.5/8/1. Fen. 110

(c.1958)

KC calibrator, and product detector. Sensitivity: I uv for 10db quieting. IF rejection 70db, image rejection 60db.

Choice of 3 degrees of selectvity: 2.1 or .5 Kc mechanical filter, or IF transformers for AM. 7x14½x11-5/8". For 110
120 VAC. Less speaker and .5 Kc mechanical filter (2.1 Kc supplied). \$495. Use the COLLINS 312B-3 Matching Speaker \$27.50, or the Model 312B-4 Speaker/Console below.

COLLINS Model F455Q-5 500cps Mechanical Filter for use with the 75S-1 Receiver \$50.

COLLINS BFO Crystal 455.8. Will give 800 cycle tone when used with F455Q-5 M.Filt.\$18.

COLLINS Model 136A-1 Noise Blanker for use with the 75S-1 \$120.



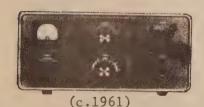
COLLINS 312B-4 Speaker Console. Integrates the Receiver, transmitter, and linear and accessories into an operating system. Includes a speaker, RF directional wattmeter with 200 and 2000 watt scales, and a phone patch in the console. 10"x7-3/4"x12 1/4"D. 8 1/2 lbs. \$185.

(c. 1958)



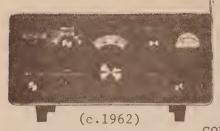
COLLINS Model 30S-1 Linear Amplifier - Requires 70-100 Watts drive. Power input: SSB 1 KW average, CW 1 KW. Power output SSB 1000 Watts PEP, CW 600 watts. Primary power 115 or 230 VAC single phase, 3-wire neutral ground. Quick and accurate tuning. Instant switching between low and full kilowatt pwr. Tubes: 1-4CX1000A, 2-3B28, 1-12AL5. Frequency Ranges: 3.5-4.0, 7.0-7.3, 14.0-14.4, 21.0-21.45, 28.0-29.7 or covers entire spectrum from 3.5 to 30 mc by retuning cathode circuit. 30½x17x16½"D. Wt. 160 1bs. \$1556.

(c.1958)



COLLINS Model 30L-1 Linear Amplifier - 500 Watts PEP into 50 ohm load. SSB and CW. Covers 80 thru 10 Meter bands. Requires 70-100 watts drive. Noise level -40db below one tone carrier. 4-811A tubes. Panel meter monitors final amplifier plate current, plate voltage, tuning circuits. Size 6½x14-3/4x13-3/4"D(same as KWM-2). 115/230 V (fan motor requires 60cy AC). 38 lbs. \$520.

COLLINS Model MP-1 12VDC Mobile Power Supply - Transistorized, compact - for S-Line or KWM-2. Shpg Wt. 10 lbs. Less cables. \$198.

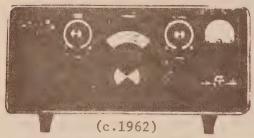




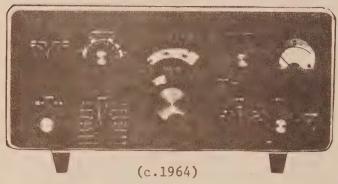
(c.1962)

COLLINS Model 75S-3 Receiver - Improved 75S-1. 2.1 KC Mechanical filter(optional 3.1, 4.0, 6.0) Choice of variable or crystal BFO. 200 CPS crystal filter. AGC. New spinner tuning knob. For SSB, CW, or RTTY. Single control provides 50db rejection of unwanted heterodynes and carriers. CW-211 cps selectivity. Covers 80 thru 10 meters. 14-3/4x6-5/8x11½"D. 19#. \$680. Model 312B-3 Matching Speaker \$32.(or use 312B-4).

COLLINS Model 32S-3 Transmitter - SSB or CW. Covers 80 thru 10 meter Bands. Keyed Carrier for CW. Keying hardness control. Sidetone level adjust, spotting control for zero beat. Input power 175 Watts PEP on SSB or 160 watts on CW. Mechanical filter SSB generator. Automatic Load Control. VOX, anti-VOX for SSB. Unwanted sideband 50db down. May be used transceive with the 75S-3 series. Requires hi-Z mike. $14\frac{1}{2}x7x11\frac{1}{2}$ "D (same size as 75S-3's). Less power supply(use 516F-2 AC or MP-1 12VDC Mobile Supply: Transistorized, \$198). Price \$750.

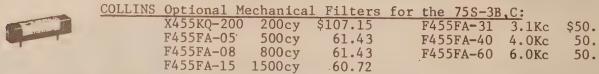


COLLINS Model 62S-1 VHF Converter - Full 2 and 6 Meter coverage, both transmitting and receiving, when used with "S" line, KWM-2, or other equipment covering the range of 140-14.2 Mc. with transmitter power of similar ratings. Crystals provided for coverage of 50-54 Mc and 144-148 Mc. Selfcontained, engineered for Collins exciters. Size: 6 1/2x13x14 3/4". 29 lbs. \$895.



COLLINS Model 75S-3B Receiver - SSB, CW, RTTY, AM. Covers 3.4-30mc. Includes 2.1 Kc Mechanical SSB filter, tuned circuits for AM. (2 spaces for optional CW mech. filters: use X455KQ-200, 200cy \$68, or F455FA-05 500cy \$57.50). Optional mech. filters may be substituted for varying bandwidth. Includes variable BFO, Notch filter, selectable SSB, 100 kc Calibrator, internal 115VAC power supply. Sensitivity ½ uv for 10db S/N. Less 3-6 ohm speaker. 14-3/4x7-3/4x12½. \$620. 20 lbs. (Use KQ or FA series filters.)

COLLINS 75S-3C Receiver is identical to the 75S-3B except that an additional crystal board located on top of the chassis, and a front panel selector switch, are included.





COLLINS 651S-1 HF Communications Receiv-Covers 0.4 to 30 MHz (12 to 400 kHz extension with plug in VLF converter). Modes: NBFM, AM, SSB, CW, ISB(optional plug-in module). Sensitivity range: .7 uv SSB for 10db S/N ratio 2-30 mc. Has AGC, fixed and variable BFO, Front panel metering, digital freq. readout, built in 115/230 VAC power supply with additional 40 watts to power opt. equip. 64x134x16" Table top cabinet. 699J-1 19-inch panel with speaker optional. 2 rotary switches provide coarse frequency adjustment while a unique tuning dial varies frequency in 100-Hz increments

at a rate of 10 kHz per revolution. High stability obtained from a phase-locked synethesizer. Continuous coverage of the entire frequency range in 100-Hz steps can be obtained using this dial without band switching. Standard Bandwidth filters: 16, 6, 2.7 USB, 2.7 LSB, 0.5. Optional filters: 3, 1, 0.2. Special filters 1.2 and 0.3 kHz offset filters suitable for RTTY reception available. Other options: ISB Module, Teletypewriter control unit module, VLF converter; Frequency scan card provides automatic scanning in 100-Hz steps over 100-kHz range above selected frequency.



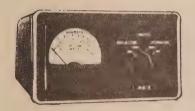
(1957)

COLLINS KWM-1 SSB Transceiver - 20, 15, 11, and 10 meters; 175W PEP-SSB. Mars xtal available. S-Meter also serves as tune-up meter on transmit. 100 Kc calibrator built-in; VOX and speaker anti-trip circuits, precision tuned VFO; automatic load control. Will operate from 12VDC or 115VAC. Less power supplies, mobile mtg tray, spkr, mike,key. \$770. ACCESSORIES: 516E-1 12VDC Power supply \$248; 516F-1 115VAC Pwr Supply \$103; 312B-1 Spkr in cabinet \$25; 312B-2 Spkr Console w/Phone Patch and Directional Wattmeter \$146; 351D-1 Mobile Mounting Tray \$22.

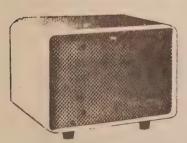


COLLINS KWM-2 Fixed, Mobile, Portable Transceiver - Input power 175 w PEP SSB, 160 w CW. Crystal control 80 thru 10 meters. "S'meter doubles as tuning meter on transmit. 100Kc calibrator VOX and anti-trip circuits built in. Features a filter type SSB generator with mechanical filter, a linear permeability tuned VFO and on kHz calibration on all bands. Tuned circuits and several tubes serve dual roles in transmit and receive. Less power supplies, speaker, mike and key. 7 3/4x14 3/4x13½". Wt. 20 lbs. \$1,150.00.

COLLINS KWM-2A (Similar to KWM-2 but has an additional crystal board for 14 crystals to cover frequencies outside amateur bands including MARS). \$1250.00. Accessories for both include the following: 312B-4 Speaker Console which includes a built in wattmeter and phone patch \$195; 516F-2 115 Volt AC Power Supply \$115; MP1 12VDC power supply \$198; PM2 Portable Power Supply for 110VAC or 220VAC \$150; 351D-2 Mobile Mounting Tray \$120; CC-2 Carrying Case for PM-2 and KWM-2 or 30L-1 \$85; MM2 Mobile boom mike with earphone \$44; 312B-5 Speaker-PTO Console with built-in directional wattmeter, phone patch, speaker and PTO for independent frequency control of reception and transmitting with the KWM-2 - \$350; SM-1 Desk Top Mike \$36.



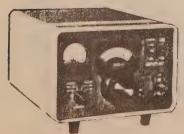
COLLINS 302C-3 Directional Wattmeter - Measures forward and reflected RF power. Two scales are provided: 0-200 watts and 0-2000 watts accommodating both high and low power transmitters. The 302C-3 consists of 2 units: a coupler for connecting into a 50 ohm transmission line and the meter panel shown which is styled to match the S-Line Series of equipment.



COLLINS 312B-3 Speaker - Contains a 5x7" speaker and connecting cable. Styled to match the S-Line and KWM-2. 10x7-3/4x8"D. Weight 4 1bs. \$32.



COLLINS 312B-4 Speaker Console. Integrates the Receiver, transmitter, and linear and accessories into an operating system. Includes a speaker, RF directional wattmter with 200 and 2000 watt scales, and a phone patch in the console. $10''x7-3/4x12\frac{1}{4}''D$. $8\frac{1}{2}$ lbs. \$185.



COLLINS 312B-5 VFO Console - Designed for use with KWM-2 in fixed station operation. Provides phone patch, directional wattmeter, 5x7" speaker. Permeability tuned Oscillator (PTO) for separate transmit and receive frequency control. Includes station muting. Cables furnished for connection to the KWM-2. $10x7-3/4x12\frac{1}{4}$ "D. $8\frac{1}{2}$ 1bs. \$350.



DRAKE 1-A SSB Receiver (c.1959) - Crystal-controlled triple-conversion receiver for SSB,CW and AM. 7 - 600 Kc ranges: 80,40,20,15 & 3 10-meter ranges. New stable VFO; 2.5Kc filter tunes through both sidebands. Product detector. 100-Kc xtal calibrator built in. Sensitivity 1 uv for 20db S/N ratio. 12 tubes plus rectifier. Built in speaker. 11x6-3/4x15". For 110-120V AC. Wt. 20 1bs. \$299.

(1959)



DRAKE 2-A SSB Receiver (c.1960) - Crystal controlled HFO, for SSB, AM and CW. Coverts 80-10 meters plus additional frequencies in 600-Kc segments with accessory xtals. Highly stable VFO and steep-sided L-C filter at the 50-Kc IF provides top selectivity. Separately tuned RF stage, slow or fast AVC, S-meter, 60db image rejection. Sensitivity: ½ uv for 10db S/N ratio. Selectivity: 2.4Kc at 6db down. 7" slide-rule dial with 10 Kc per division calibration; 1 Kc per division on vernier. Product detector. Less speaker. 7x12x9". For 110-120V AC. 14½ lbs. Price \$269.95. Model 2-AS

matching speaker \$12.95. Model 2-AQ Combination matching speaker and Q-Multiplier \$34.95. Model 2-AC 100-Kc Crystal Calibrator for 2-A receiver \$16.95.



DRAKE 2-B SSB Receiver (c.1962) - Triple conversion SSB AM & CW, 60 db image rejection, Covers any 600 Kc bands 80 thru 10 meters. Xtal controlled HF oscillator(xtals supplied). Highly stable VFO. Sensitivity: .5 uv for 10 db S/N ratio. 50 Kc 1st IF; vernier dial with markings every 1 Kc. Slow or fast AVC, S-meter, product detector. 12x7x9"D. 15 1bs. For 110-120V AC. \$279.95. Less speaker. 2-BS Matching speaker \$16.95. 2-BQ Combination matching speaker and Q-multiplier \$39.95. 2-AC Xtal Calibrator for 2-A or 2-B receivers \$16.95.



DRAKE R-4 SSB Receiver (c.1965) - Transceives with T-4 or T-4X Transmitters. Covers 80 to 10 meters plus provision for 10 additional 500 Kc ranges from 1.5 to 30Mc. (Supplied with crystals for 3.5 to 29 Mc. Spot freq. 4 steps of selectivity at 6db down. Use for SSB, CW, AM, RTTY. Sensitivity: ½ uv for 10db S+N/N ratio. AVC fast-slow-off. Notch filter built in. Noise Blanker built in. Calibrator built in. Product and diode detectors. 10-3/4 x x5½x11-5/8". 16 lbs. For 120/240 volts AC. \$379.95. Less speaker. MS-4 Matching speaker (also holds the AC supply for companion T-4 or T-4X Xmtr) \$19.95.



DRAKE T-4X SSB/CW/AM Transmitter (c.1965) - Transceives with R-4 Receiver. Covers 160-10 meters. 200 watts PEP SSB, 180 watts CW input with semibreak-in keying. High stability built-in VFO for independent control or transceive with R-4 Rcvr. 2.4 Kc Selectable Sideband filters. VOX, PTT, AGC, grid-block keying, sidetone monitoring. Meter indicates plate current and relative output. Adjustable pi-network output matching circuit. Use for SSB, CW, AM and RTTY. 5½xl1-5/8x10-3/4". 18 lbs. \$399.95 less power supply. AC-4 AC power supply \$99.95.

DRAKE T-4 "Reciter" (c.1965) - Same as T-4X except it has no PTO. Works in transceive mode only with R-4 Receiver. 10 lbs. Less power \$299.95. AC-4 Power supply \$99.95.



DRAKE R-4A SSB Receiver (c.1967) - Triple conversion, Solid-State VFO, will transceive with T-4X or T-4 transmitters. Covers 80-10 meters plus 10 additional xtal sockets for 10 additional 500kc ranges from 1.5 - 30Mc. Xtal locks oscillator for spot freq. use. 4 steps of selectivity at 6db down. Use for SSB, AM, CW, RTTY. Sensitivity ½ uv for 10db S+N/N ratio. Calibration 1Kc or better. AVC fast-slow-off. Notch filter built in. Noise blanker built in. Image and IF rejection 60db. Both product and diode detectors. Calibrator built in. Operates from either 120/240 V AC 50-60 cy. 5½x10-3/4x



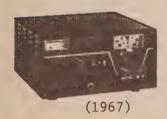
DRAKE 2-C Receiver (c.1967) - Triple conversion with crystal controlled 1st converter; 500 Kc ranges 80-10 meters. (also any 500 Kc range between 3 and 30mc by inserting accessory xtal.) VFO tuning. SSB, AM and CW. AVC fast-slow-off switch. S-meter. 3 bandwidths: .4, 2.4, 4.8 Kc at 6db. Solid state audio, product and AM detectors, AVC amp and Xtal osc. Work break-in keying with 2-NT Xmtr. 11½x6½x9¼ Wt. 13½ 1bs. Less speaker. \$229. Accessories: Matching speaker \$19.95; Q-multiplier/speaker \$39.95; 100 KHz Calibrator \$16.95; Noise Blanker \$24.95. Receiver operates from 115VAC.



DRAKE 2-NT CW Transmitter (c.1967) - For Novice through Extra class. 100 watts input (can be reduced to 75 w. for novice). Operates break-in, semi-break-in, or manual CW with 2-C or other receiver. Side tone oscillator built in. Antenna changeover relay built in. Pi-network output with fixed loading. Lo pass TVI filter built in. CW coverage 80-10 meters. Freq. spotting without xmtr output. Grid block keying. Code practice in Standby position. 10x6\frac{1}{2}x9\frac{1}{2}\text{"D. 12\frac{1}{2} lbs. \$149.



DRAKE L-4 Linear Amplifier (1967) - 2,000 watts PEP input power on SSB, 1000 Watts AM,CW,RTTY. Built for continuous duty at full power. Grounded Grid Class B. Broad band tuned input. Uses 2 3-400Z triodes, zero bias tubes (or 8136 tubes). RF neg. feedback. Xmit AGC. Includes directional wattmeter. Dual metering to monitor plate current. Adjustable pi-network for nominal 50 ohm output coupling. Quiet hi-volume blower. RF section: 13½x8x14½"D. Wt. 32 lbs. Power Supply section 6-3/4x8x11"D. Both for \$825. (Power supply is solid state 115/230VAC, 50-60 cycles)



DRAKE SW-4A Short Wave Receiver (c.1967) - Designed for SWL-ing. Basically same features as R4A ham receiver. Low drift, accurate calibration. Coverage: 6-6.5, 9.5-10, 11.5-12, 15-15.5, 17.5-18, 21.5-22, & 25.5-26 mc. Provisions for installation of any 3 ranges of 500kc between 1.5 & 30mc except5-6 mc. with simple crystal plug-in. Optional speaker or head-phones. Operates 105/240VAC 50/60cy. 5\frac{1}{2}x10-3/4x11-3/4\frac{1}{2}.

18 1bs. \$289. MS4 speaker \$19.95. AL4 Indoor Loop Ant.\$19.95



DRAKE R-4B Receiver (c.1968) - Can be operated as transceiver with T-4XB or as independent receiver. Has linear permeability tuned VFO with 1 Kc dial divisions. VFO and xtal frequencies pre-mixed for all-band stability; 80,40,20,15 and 28.5 to 29mc with xtals furnished(10 500 kc ranges between 1.5 and 30mc optional with accessory xtals). .4, 1.2, 2.4 and 4.8 Kc bandwidth selectivity. Noise blanker, notch filter, 25 Kc xtal calibrator; product and diode detection; xtal lattice filter; AVC for SSB and high-speed break-in CW. Passband tuning. For SSB, CW, and AM. 5½x10-3/4x12½. 16 lbs. \$430, AC supply built in, less speaker. MS4 speaker \$19.95.



DRAKE T-4XB Transmitter (c.1968) - Transceives if desired with R-4B receiver (use VFO of either R-4B or T-4XB for transceiving, or separately). SSB,AM,CW, RTTY. 200 Watts PEP input SSB, 200 watts CW. Bandswitching covers 80,40,20,15, and 28.5-29mc with xtals furnished, MARS and other frequencies with accessory xtals. Selectable USB,LSB; VOX, PTT,CW with shifted carrier, AM controlled carrier, or RTTY shift keying. Side tone CW monitoring, adjustable pi-network final; 60db suppression carrier and unwanted sideband. 1 kHz dial calibration, AGC control. Solid state permeability tuned VFO. Solid state HF crystal oscillator. 5½x10-3/4x12½"D. 14 lbs. Less power supply \$449. AC4 115/230 AC \$99.95



DRAKE L-4B Linear Amplifier (1968) - 2,000 watts PEP - SSB input, 1000 watts AM, CW, RTTY. Class B Grounded Grid, 2 3-500Z triode tubes. Bandswitching 80/10 meters with some extended coverage possible. Broad band tuned, RF neg. feedback; transmitting AGC for high audio level w/o clipping. Directional Wattmeter measures forward and reflected power. 2 Taut-band Suspension Meters, plate current meter time constant is consistent with FCC regulations. Quiet, low velocity blower w/high volume. In 2 units: RF unit 13-5/16x7-7/8x14-5/16"D. 32 lbs. 115/230 VAC solid state Power supply section 6-3/4x7-7/8x11"D., wt. 43 lbs. Price class for both. \$825.



DRAKE TR-3 SSB Transceiver - 80 thru 10 SSB, AM, CW. 300 watts PEP on SSB. VOX or PTT. Controlled carrier screen modulator on AM. 260 watts power input CW, shifted carrier. 2 special 9mc crystal filters for sideband selection. Linear permeability tuned VFO. Separate RF and AF gain controls. Full AGC. 2.1 Kc passband. 100Kc crystal calibrator built in. Separate receiver "S"meter and plate ammeter. 5½x10-3/4x14-3/8"D. Wt. 16 lbs.

Less power supply. \$550. ACCESSORIES: AC-3 power supply, mts in rear of MS-3 or RV-3 cabinet, \$79.95; DC-3 12VDC power supply \$129.95; MS-3 matching speaker \$19.95; MMK-3 Mobile Mtg. Kit \$6.95; RV-3 remote VFO, includes 5" speaker, permits independent control of both recption and transmitting. Matches TR-3. \$79.95



DRAKE TR-4 SSB Transceiver - 80 thru 10 meters USB/LSB, CW, AM. Linear VFO, 1 KHz accuracy, 300W PEP-SSB, 260W CW with grid block keying of mixer and driver stages. Semi break-in CW with Sidetone, VOX or PTT; adjustable Pi-net, Plate and AGC meters, sideband suppression 40db, carrier suppression 50db. Controlled carrier AM screen modulation. Receiver: .5uv for 10db S/N sensitivity; Selectivity 2.1 KHz at 6db; diode and product detectors; S meter. 5½x10-3/4x15, wt. 16 lbs. Without Noise Blanker installed(as pictured) \$599.95; with 34-NB Noise Blanker factors and the low \$699.95 less power spkr(see ACCESSORIES below

ory installed (see TR-6 picture below) \$699.95 less power, spkr (see ACCESSORIES below TR-6 description below). RV-4 Remote VFO \$110 (permit rcvg, xmitg, xcvg sep. freq.s)



(1968)

DRAKE TR-6 SSB Transceiver - Covers 6M plus MARS with 9 Xtals(2 furn), USB-CW-AM. Linear VFO, 1 KHz accuracy, 300W PEP-SSB, Semi Break-in CW w/sidetone, VOX or PTT, adjustable Pinet, Plate and AGC Mtrs, built-in Noise Blanker. Receiver sensitivity .luv(FET front end). Selectivity 2.1 KHz @6db. Diode and Product detectors, S-meter. On-Off switch for NB on front panel. Transmitter has 40db sideband suppression. Less pwr, speaker \$650. RV-6 Remote VFO \$110 (sep. rcvg, xmitg, Xcvg freq.s). ACCESSORIES FOR TR-4 and TR-6: FF1 Fixed Freq. Adaptor \$46.95; MMK-3 Mobile Mtg Kit-\$6.95; MS-4 Matching Speaker; MC-4 Mobile Spkr/Wattmeter \$69; AC-4 120V AC Supply \$99.95; DC-4 12VDC supply \$125; DC-24 24VDC supply \$210.



DRAKE ML-1 (Marker Luxury) VHF FM Transceiver - Japanese built for and distributed by R.L. Drake Co. 144-148 MHz FM, 12 channels, 2 supplied(Chan. 1-R:146.94, T:146.34; Chan.2-Simplex 146.94); PTT; Built-in 117, 13.5 power (220/240 opt. available); dynamic mic, antenna, connector plug, AC/DC cord. Transmitter: RF output 10 watts +, 15 KHz deviation, \$\pm\$.001% freq. stability; spurious radiation -80db below carrier; Freq. multiplication 12. Receiver: Xtal-controlled double conversion superhet. .5uv for 20db S+N/N ratio. \$329.95 including mboile mount, microphone, coax cable, and antenna. 7-7/8x2-3/4x10-1/4"D. Weight 8-1/4 lbs. AC/DC cord included.

DRAKE ML-2 (Marker Luxury) VHF FM Transceiver - Same appearance and basic specifications as the ML-1 Model picture above. 3 channels furnished: Channel 1-R:146.94, T:146.34 Channel 2-Simplex 146.94 Channel 3-R:146.74, T:146.34. Transmitter is transistorized with a 6360 output tube. \$329.95 including 2 channels supplied, mobile mount, microphone, coax cable, Hustler antenna, and built-in AC/DC power supply. ACCESSORY ANTENNA Model BBL-144 Hustler 3.4db gain quick-mount w/coax \$34.70.

DYCOMM (Dynamic Communications, Inc.) Series of Linear Amplifier Boosters for 2meter, FM. All models are broadband no tuning, fully automatic, fully transistorized, automatic low insertion loss in/out switching, all operate 12-15 VDC.



DYCOMM Model 500C "FM Booster" Amplifier for 2-meter FM. 4-12 watts in, 15-30 watts out. 10W input/output 25W. 3x4x4:. \$59.95

(1970)



DYCOMM Model 500D "Block Booster" Amplifier for 2-meter FM. 8-12W in, 35-55W output, 16W of drive is FB. 3x4x6. \$89.95.

(1970)



DYCOMM Model 500E "Brick" or TR22 Booster Amplifier for 2-meter FM. 1-2 W input for 20-25 W output. 3x4x4. \$69.95

DYCOMM Model 500ES "Super Brick/TR22 Booster" Amplifier for 2-meter FM. .8-2 W input, 35-45 W output. Typically 30 W output for 1 W input. 3x4x4. \$99.95.



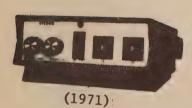
DYCOMM Model 10-0 "Big One" Power Booster Amplifier for 2-Meter FM. Ultimate in solid state power: 8-15 W input, 80 W minimum, 125 W maximum output. Typically 100 W output/ 10 W input. 5x5x9". \$185.

DYCOMM Model 35-0 Amplifier for 2-meter FM. 25-40 W input provides 80-110 W output. Typically 100 W output for 35 W input. 5x5x9". \$165.

DYCOMM Model 1-10-0 Booster Power Amplifier for 2-Meter FM (1972). 1 or 2 watts input gives 90 to 100 watts out. \$220.

DYCOMM Model 470-25 UHF Power Amplifier (1972). 3 to 7 watts input gives 15 to 30 watts output. \$197.

DYCOMM Model 470-30 UHF Power Amplifier (1972). 1 to 2 watts input gives 20 to 30 watts output. \$227

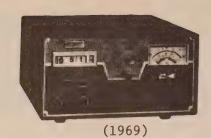


DYCOMM Model 10-10 2-Meter FM Transceiver (1971). Solid state; 25-30W typical output; 10 channel TX/RX with independent digital lever switch control - comes equipped with .34, .82, .88, .94 Tx and .76, .82, .88, .94 Rx and any other you specify. .3 uv sensitivity for 20db quieting. Frequency stability .001%. Has separate 2x5x6 control head and cabling supplied for the separate 2x10x11" main unit for trunk or other location mount. Separate speaker output. Built-in PL and Tone control provision. FCC type accepted Receiver-Xmitter design. Price \$350.



DYCOMM ECHO II 2-Meter FM Repeater (1971). Solid state; receiver sensitivity .2 uv; 12-15 watts Xmtr output. No relays, fully weatherproofed, multiple frequency: Stock freq's: 16/76, 22/82, 28/88, 34/94; other freq's available on order. Remote selection capability. Protected against antenna short, open circuit, or mismatch. Fully adjustable squelch & carrier operated switch. Terminals provided for necessary controls and monitoring. For 12-15 volt operation. Price of \$700 includes 2 gain ant.'s.

DYCOMM ECHO II 2-Meter FM Repeater - Rack Mount Model Repeater (1972). Specs similar to the Echo II above but for rack mount with controls on front panel. \$600.





(1970)

DRAKE C-4 Station Console (c.1969) - Complete station control at operator's fingertips. 24 hour digital clock lighted; solid state resettable time flashes light at identification intervals. Station power control with 8 120VAC and 2 240VAC receptacles, front panel controlled heavy duty power contractor. Equipment controlled Directional RF wattmeter with 200 or 2000 W full scale. Built-in rotor control for Ham-M. Electronic phone patch gives const. xmtr input, works PTT, meets phone co. requirements. Remote motor-driven coax switch selects from 5 antennas. $10-3/4x5\frac{1}{2}x12\frac{1}{2}$ "D. 24 lbs. \$299.95.

DRAKE SPR-4 Solid-State Programable Communications Recvr. (c.1970) - Programable for any interest - SWL, Ham, Lab., BC, Marine, etc. Only FETs in signal path. Linear VFO with 1 kHz readout. Covers 150-500 kHz plus any 23 ranges 500 kHz wide between .5-30 mHz. 10 ranges furnished, others \$5 each. 3 bandwidths: .4, 2.4 and 4.8 kHz for CW, SSB, and AM. Built-in speaker. Notch filter. 115/220VAC or 12VDC. 10-3/4x5½x12½iD. Wt. 14 lbs. \$499.95. Accessories: Noise Blanker, 100 kHz Calibrator, MS-4 external speaker, AL-4 Loop Antenna for .15-1.5 mHz, Transceive Adaptor for use with T-4XB, DC power cord, Crystals.



DRAKE TR-22 2-Meter FM Portable Transceiver - 6 channels DRAKE TR-22 2-Meter FM Portable Transceiver - 6 channels completely transistorized, built-in telescoping antenna, SO-239 connector for ext. ant. Operates on external 12VDC or internal rechargeable nicad batteries, 120VAC charger built in. 144-148MHz; 6 channels, 3 supplied: 1-R:146.94 T:146.34 2-Simplex:146.94 3-R:146.74, T:146.34; FM; PTT; DC power drain R:45 ma, T:450 ma. 5-3/8x2-5/16x7-1/8 PTT; DC power drain R:45 ma, T:450 ma. 5-3/8x2-5/16x7-1/8 ptr 20db S+N/N ratio; built in speaker. Transmitter 1 watt output, freq. dev. 15KHz adj, factory set to 5 KHz. \$199.95. Model AA-22 Accessory Amp. to 25W \$149.95; MNK-22 mobile mount for TR-22 \$6.95. (Price of TR-22 includes dyn.mic, over-shoulder carrying case)



(1971)

DRAKE DSR-1 Communications Rcvr (1971) - Frequency range: 10 kHz to 30 mHz. USB, LSB, CW, AM, RTTY, ISB. Frequency readout: complete to 100 Hz on six NIXIE tubes. Frequency selection: 10mHz, 1 mHz, 0.1 mHz switch selected; 0 to 0.1 mHz continuously variable. Sensitivity: .5 uv for 10 db SINAD at 2.4 kHz SSB; 1 uv for 10 db SINAD at 6 kHz AM. I.F. bandwidth: 6 kHz, 2.4 kHz, 1.2 kHz, 0.4 kHz. AGC, slow or fast. variable from front panel. Series balanced gate noise blanker. Operates 115/230 VAC, 12 or 24 DC volts supply optional. Dimensions: 5\pix19x15"D. Wt. 17 lbs. Price \$2195. Rack or desk mount option.



DRAKE AA-10 2-Meter Power Amplifier (1972). Single stage solid state using balanced emitter VHF power transistor with VSWR protection. Covers 144-148 MHz. 10 watts minimum RF output at 13.8 VDC and 1 to 1.8 watt RF input power. Gives 10db power increase. No relays - automatic transmit/ receive switching. 5½x2x2-1/8". Requires 13.8VDC at 1.5A. Price \$49.95. AC-10 Power Supply: Powers the AA-10 and TR-22 simultaneously, charges Nicads, from 120VAC Source. Price \$39.95.



(1972)

DRAKE TR-4C Transceiver (1972). Covers 80 thru 10 Meters. 300 watts PEP input on SSB; 260 watts input on Shifted-Carrier CW; USB and LSB all bands. Controlled-Carrier Screen Modulator for AM. VOX or PTT; adjustable output impedance with pi-net; 100 kHz Crystal Calibrator. 2 special 9 MHz Crystal filters for sideband selection. Solid state VFO with linear permeability tuning. 2 concentric dials: 100 kHz markings on 1 dial, 1 kHz divisions on second dial. Receiver sensitivity .5 uv for 10db S/N; I.F. selectivity 2.1kHz at 6db. 50 ohms Audio output 3 watts at 4 ohms impdance. antenna input. 5 x10-3/4x14-3/8 D. 16 lbs. Price \$599.95. Accessories: MC-4 Mobile Console \$69; MMK-3 Mobile Mounting Kit \$6.95; AC-4 115/230VAC P.S. \$99.95; DC-4 12VDC P.S.\$125; 34PNB \$100.



(1950)

ELDICO SSB Transmitter-Exciter (c.1950) - (No model no. was assigned this early model) - A complete 7-tube 5-Watt Single Sideband transmitter. Complete with all parts. May be used as a transmitter, as a driver. Can be used with external VFO. A preamplifier is included. Kit \$69.95; Wired \$99.95.



ELDICO 2-Meter Transmitter (C.1950) - (No model no. was assigned this early model) - Xtal controlled 2 meter transmitter. Up to 22 watts input to 2E26 final. Carbon mike input. Requires 300v at 200 Ma. Shpt. (1950) Wt. 12 lbs. Kit \$49.95; Wired \$74.95.



ELDICO 2-Meter Receiver (c.1950) - (No model no. was assigned this early model.) For fixed or mobile operation. 10 tube circuit, low battery drain. Size: 5\x9\x5\\\ Kit \$59.95; Wired \$94.95.



ELDICO TR-1 AM Phone and CW Transmitter Kit (c.1950) -300 Watt phone and CW Rig. Covers 80, 40, 20, 15, 11, and 10 meters. 813 Power Amplifier, Class B 811 modulators. Exciter broad band, single control PA tuning. 3 power supplies delivering 1500VDC at 350 Ma., 500VDC at 200 Ma., and bias supply. 2 chassis, parts, change-over relay, Electro-Voice 915 crystal mike(less stand) included. For 110-120VAC. 125 lbs. Kit form only, \$199.95.

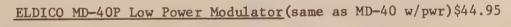


(1950)

ELDICO TR-75TV Transmitter (C.1950) - 75-Watt CW rig. Crystal oscillator final amplifier combination. Circuit permits use of 40 and 80 mtr crystals to cover all bands. Pi-network output loads all types antenna. All stages metered using a switchable meter showing oscillator plate, final grid and final plate current. 17x10x9". 47 lbs. (Less Xtals) Kit \$64.95; Wired \$94.95. Uses 1625 tube final. Built-in 110VAC Pwr. With cabinet.



ELDICO MD-40 Low Power Modulator (c.1950) - Provides 40 watts of audio using two 616's as modulators. Complete kit of parts includes Electro-Voice 915 crystal microphone (less stand). Shpg. wt. 15 lbs. Less power supply. \$34.95.





(1950)

ELDICO MD-100 Medium Power Modulator (c.1950) - Provides 100 watts of audio using two 807 modulators following 6SJ7, 6SN7 audio amplifier/phase inverter, and a 2nd 6SN7 driver. Modulates up to 250 watts RF. Complete with power and Electro-Voice 915 crystal microphone. Wt. 35 lbs. \$49.95 (Sold kit form only).



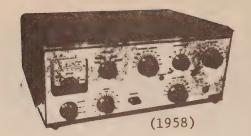
ELDICO TR-1TV Transmitter (c.1953) - Covers 80-10 meters, 300 Watts input AM phone or CW. 3-chassis rack cabinet construction. Built-in line and low pass filters plus shielding and by-passing provide 60 db harmonic attenuation. Bandswitching in all stages. 4E27A final, 2-811's modulators. 28" cabinet. For 115V AC. 72 ohm output. Kit \$379.95. Wired \$499.95. Shpg. Wt. 175 lbs.

(1953)



ELDICO AM-40 Modulator (c.1953) - 40 Watt modulator for TR-75TV and similar RF power transmitters. 6L6's in push-pull. Built-in 115v AC power supply. Plate current meter on panel. Housed in cabinet to match TR-75TV transmitter. 10x17x9". 42 lbs. \$59.95.

(1953)



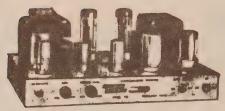
EICO Model 720 CW Transmitter - (c.1958) 90 Watt CW transmitter, bandswitching 80 thru 10 meters. Provisions for external modulator and VFO. 6146 tube fina with power input of 90 watts CW(75 watt Novice limit calibration on meter), 65 watts phone with external modulator. Pi-net output matches 50-1000 ohms; TVI suppressed. Clamp tube protects final amplfier against loss of excitation; oscillator keying for break-in operation. 15x5x9"D. 25 lbs. Operates on 115VAC. Kit \$79.95; Wired \$119.95.



EICO Model 722 VFO (c.1961) - 80 thu 10 meters self-powered VFO. RF output 10-20 volts. Transformer operated. Large easy reading slide rule dial. 6x8½x9"D. 8 lbs. Kit \$44.95; Wired and tested \$59.95.



EICO Model 723 CW Transmitter (c.1958) 60 Watt CW transmitter ideal for novice. 60 watts input to 6DQ6B. With external modulator may be used as an AM phone transmitter up to 50 watts input. Oscillator keying for break-in operation. One knob bandseitch covering 80,40,20,15 and 10 meters. Pi-network output. Panel meter can be switched to show either grid or plate current of final. TVI suppression. For 117V AC. 6x8½x 9"D. 20 1bs. Kit \$49.95; Wired \$79.95.



(1959)

EICO Model 730 Universal Modulator (c.1959) - Class B modulator for AM phone capable of delivering 50 watts of audio, modulates the 720 or 723 above to full 100%. Can modulate any xmtr having RF input up to 100 watts. Output: 50 watts. Input: crystal or dynamic mike, phone patch. For 117VAC. 6x14x8"D. 21 lbs. Kit \$49.95; Wired \$79.95. E-5 Cover \$4.50. Modulator includes low level clipping and filtering plus built-in overmodulation indicator.



EICO 753 Tri-Band Transceiver - SSB/AM/CW, covers 80, 40, 20 meter bands; 200 watts PEP all modes. ALC, VOX, PTT, solid state VFO and IF. Fast attack, slow delay AGC. High freq. crystal lattice filter 2.7 KC at 6db down. Recvr offset tuning allows 10 Kc bandspread without altering transmitter freq. Extruded brushed and clear anodized alum. panel. 5½x14x11½. Wt. 25#. 753 Kit \$189.95; Factory wired \$299.95. Less power supply and speaker. ACCESSORIES: 751 AC Supply/Spkr

console kit \$79.95, factory wired \$109.95; 752 Mobile Power Supply Kit \$79.95, factory wired \$109.95. (12V DC). Overload protected.



(1953)

ELDICO SSB-50 Single Sideband Transmitter (c.1953) 75 watt input to 6146 power amplifier. Covers 160 thru 10 meters. Features stable VFO(separate box) control on 80 and 20 meters, crystal operation on all bands. Pi-network output. Built-in 115v AC power supply; built-in receiver silencing, antenna changeover, voice control operation. Panel size 10½x19", fits any standard cabinet. 40 lbs. Kit \$199.95, Wired, \$279.50.



ELDICO SSB-50 Single Sideband Transmitter (c.1954) updated version of SSB-50 above. Self-contained, power output 50 watts on 80-40-20, 35 watts on 15 and 10 meters. Built-in no-drift hermetically sealed permeability tuned VFO. Switching system allows simple selection of AM or SSB operation. Pi-network couples any 50 to 600 ohm load. Kit \$429.95; Wired \$549.95.



ELDICO SSB-400 R.F. Power Amplifier (c.1954) - Compact bandswitching 400 watt final. Front panel controls make the SSB-400 suitable for any class of operation (A to C) on any band from 10 thru 80 meters. Self-contained. 4E27 with pi-network output filter in final. Power supplies included in same chassis. Relay control of plate voltage, plus remote antenna relay, voice break-in operation. 12x19x14. Kit \$399.95; Wired \$479.95.

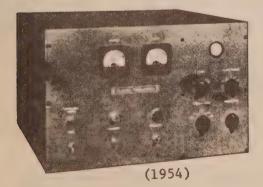


ELDICO TR-2 TV Transmitter (c. 1954) - Ultra-compact AM phone and CW transmitter. Complete bandswitching 80 thru 10 meters. 90 watts input CW, 65 watts on AM phone. Pi network matches any antenna system. Self-contained power supply fused, filtered, and by-passed for BCI and TVI suppression. Kit \$179.95; Wired \$229.95.



ELDICO Model VFO-2 (c.1954) High Stability VFO. For use with Eldico TR-1, TR-1TV, TR-2TV and TR-75TV transmitters. Complete frequency coverage on 80,40,20,15 and 10 meters. Large 6" dial. Each band is separately calibrated. Built-in power. Kit \$24.95; Wired \$29.95. VFO is tubeless. Lack of heat improves stability.





ELDICO Model SSB-1000 R.F. Power Amplifier - (c.1954) - 3 watts PEP input will drive to full kilowatt. P-network output; single knob bandswitch to cover all bands, AM or SSB use. Contains two husky power supplies. Power input ratings: SSB 1000 watts PEP; CW 1000 watts, AM 700 watts. High-Q plate and Grid circuits, maximum harmonic attenuation. 10 thru 80 meters. 25x29x14". (Early models 4-400A final tube, later models two 4X250B). Kit \$699.95, Wired \$799.95.



ELDICO Model SSB-100 Exciter-Transmitter (c.1955) - Band-switching AM, CW, SSB transmitter-exciter. Built-in VFO, Voice control, recvr-spkr muting. Covers 75,40,20,15, 10 meter phone bands. Voice controlled oscilloscope continuously monitors RF stages and proper ampl loading. AM, USB, LSB CW switch selected. AX9903 power amp. tube. 21x12½x13½"D. 100 watts PEP SSB output, 144 watts peak; AM 60 watts peak. Pi-section output network. Wt. 70 lbs. Wired \$695.

(1955)



(1955)

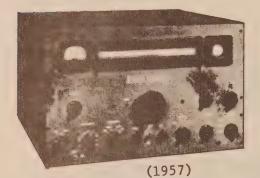
ELDICO Model TR-600 Transmitter (c.1955) - Bandswitching 80 -10 meter transmitter. 600 watts input on AM phone or CW. Model VFO-2 included as external frequency control unit. TVI suppression includes built-in low pass filter, throughout shielding of leads and meters. Osc. stage has 8 crystal and 1 VFO switch positions. 4-250A/6156 tetrode final with pi network. 52 to 72 ohms output impedance. Two 811A mdulators in ClassB. Built-in monitoring oscilloscope and meter. Three power supplies provide 2000v for power amp, 1500 volts for modulator, 350 volts for RF exciter and speech amp. 30" high cabinet with rear door. Wt. 175 lbs. Was sold as kit or wired unit, prices unknown.



ELDICO Model SSB-100A Transmitter (1956). AM, SSB 80 thru 10 meters. Has VFO, VOX, receiver muting. SSB PEP input 144 watts; SSB PEP output 100 watts. AM input 60 watts. Wired and tested \$745. 17 x10-3/4x12 "D. 58 lbs.



ELDICO Model SSB-500 Linear Amplifier (1956). 3 watts PEP drive only required so can be used with any SSB exciter. Built-in oscilloscope for constant monitoring of transmitted signal assures proper loading and operation. 80 thru 10 mtrs. Power rating: 500 watts PEP SSB input and 300 watts AM input. Shipping wt. 65 lbs. Kit \$395; Wired \$495.



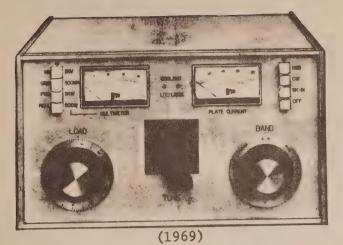
ELDICO Model SSB-100F Exciter-Transmitter -(c. 1957) - CW, AM, USB, LSB; Covers 80-10 Meters. 144 watts PEP SSB input power; AM average DC input power 60 watts. Grid block keying, full break-in. Dual crystal lattice filter, 50db attenuation. Voice controlled oscilloscope continuously monitors RF stages and amp. loading. Completely bandwitched. Pi-network output. Uses 5894 power amplifier tube. Built in power supply for 117VAC. TVI suppressed. Dial accuracy +-2 Kc after calibration. Hinged cover cabinet 17½x15½x10½". Wt. 96 lbs. Wired, \$795.



ELDICO Model SSB-100M SSB Mobile Transmitter (c.1958) - Covers 75 thru 10 meters with 200 Kc on all bands except 400 Kc on 10M. Front panel switching. 144 PEP SSB input. Pi-network output. Crystal or dynamic mike. Temperature compensated VFO, xtal lattice filter, built-in relay for antenna changeover and rcvr muting. Operates USB, LSB, AM; AM power output 20 W. Uses 5894 final. For 12VDC or may be used with AC power supply. 8 x6 x11 4. \$400.

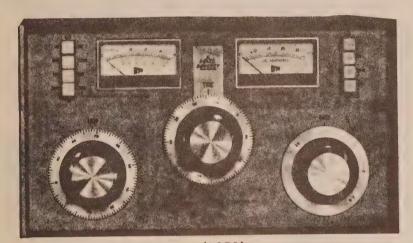


ELDICO Model SSB-1000F Power Amplifier. (c. 1959) - Use with Eldico SSB-100F or any exciter capable of delivering 30 watts PEP. Single control bandswitching 80-10 meters. Matches wide range of antenna impedances. High harmonic attenuation. Power ratings: DC input: CW 1000 watts; AM 750 watts; 2000 Watts PEP input SSB. Contains 9 tubes. 95 lbs. \$745.



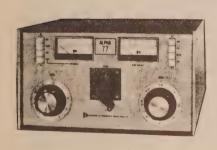
ETO (Ehrhorn Technological Operations, Inc.) "Alpha Seventy" High Power Linear Amplifier (c.1969) - Full 3 to 30 MHz coverage; ALC; MOSFET T/R Switch; Automatic zero plate current during no-signal; vacuum variable plate capacitor. Maximum legal power continuously on SSB, CW, RTTY or SSTV modes. Whisper quiet blower. Relays silent vacuum type. Ample circuit protection and safety devices; signal-lite push buttons, dual meters, 3 large control dials make tune-up simple and quick- 6 second band change. 100 watts exciter input drives to full legal limit. Available in two models:

Model PA70-V with high efficiency vapor loop heat exchanger cooling of Eimac 3CV1500A7 tube - \$1775. Model PA70-A Same features, except air-cooled tube - \$1595.



ETO "Delta Seventy" High Power Linear Amplifier (c.1970) - Fully compatible with all modern transceivers and exciters. Vacuum relays for fast, silent VOX and true break-in CW. Extra-Heavy duty high voltage supply built in Silectron-powered, continuous operation at full legal power any mode. Uses Eimac's ceramic metal aircooled 3CX1000A7 with 1500 watt dissipation rating- 100% reserve. "Battleship" construction for durability. Price \$1295.

(1970)



(1972)

ETO "Alpha 77" Linear Amplifier (1972). (Previously identified as the "Alpha Seventy - Model PA-77). Uses an aircooled Eimac 8877/3CX1500A7 ceramic-metal triode with 4000 volts on the plate. Conservative 1500 watts of plate dissipation and requires only 65 watts drive for full legal amateur power input. Has grid excess-current relay which kicks out if final tube is under-loaded or over-driven. Has 120/240 50/60Hz AC pwr supply, single phase. Rated at 3000 watts PEP continuous, loafs at 2000 watts PEP. Features a rugged bandswitch with 20-amp silver contacts, vacuum variable tuning capacitor, silent vacuum relays, quiet forced air-cooling and metering in all circuits. Modular assembly, built like a battleship with ½-inch thick aluminum sides, weighs 70 lbs. Desk cabinet 9½x17x 18". Completely self-contained. Price class \$1795.

"Alpha 77A" - Advertised by Amateur-Wholesale Electronics, 8817 S.W. 129 Terrace, Miami, Fla. 33156 as being made by CMI - (Computer Measurements, Inc.) for use with the CX7A. Specifications and appearance seem identical to the "Alpha 77" made by ETO above. Advertised in 1972. No price advertised.



(1963)

GALAXY 300 SSB Transceiver - Perfect for mobile installation. Features: 300 Watts PEP, 75-40-20 meter bands, selectable upper-lower sideband, ALC, Xtal filter, and \$299.95. G300D DC power PTT or VOX-optional. supply, transistorized 12VDC. Outputs for maximum Galaxy tune-up power: 800VDC @400Ma, 95VDC bias @30Ma, 325VDC @200Ma. \$119.95

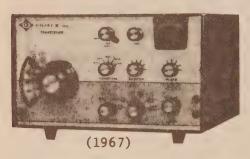


GALAXY III SSB Transceiver - 80-40-20 Meters, 300Watts SSB/CW input conservatively rated, full coverage all bands; better than 200 watts output all bands; selectable upper or lower sideband; 2.1 Kc filter stays 60db down; ALC circuit boosts talk power; special McCoy 6 crystal filter; shifted carrier CW. Hot receiver with independently tuned RF stage; constant AVC; attractive

perforated steel cabinet, hinged top, brushed aluminum panel. Compact: $6 \times 10^{1} \text{c} \times 11^{2} \text{c}$, wt. 13 lbs. Less power.

ACCESSORIES: 12VDC transistorized, thermal overload protectors, \$89.95; Solid state PS, provides full power from 115VAC. Price of Galaxy III is \$349.95.

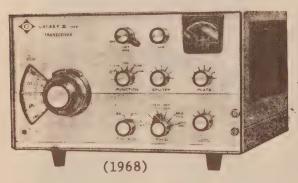
GALAXY V SSB Transceiver - Identical to Galaxy III above except for 80-40-20-15-10 Meters. Price of Galaxy V is \$399.95 less power. (Use power supplies above).



GALAXY V Mark 2 5-Band SSB Transceiver - 80-10 Meter coverage. 500 Kc on all bands, with 1 Megacycle on 10 meters. Both upper and lower selectable sidebands. Stable: drift less than 100 cy in any 15 minute period after warmup. Special new 6 xtal lattice filter. 400 watts PEP-SSB; precise vernier logging scale; solid state VFO; CW Sidetone audio; CW break-in operation option; CW filter option. Sensitivity less than 0.5uv for 10db S/N ratio; dual attack and release AVC; internal ALC circuit; good for mobile or fixed station.

Size: 6x10\frac{1}{4}x11\frac{1}{4}. Less power \$420. ACCESSORIES: AC35

AC power supply; G35A DC power supply; remote VFO; deluxe console with built-in spkr, phone patch, SWR bridge and 24 hour digital clock; a speaker console which has room for the AC power supply, and mbile mounting accessories for your car.



GALAXY V Mark 3 5-Band SSB Transceiver - Similar to Galaxy V Mark 2 above with these additions: Two GE 61B6's provide 500 Watt PEP input w/30% plate dissipation increase, less heat, more reliability, longer life. A new grid/cathode design with easier to drive tubes providing greater protection against TVI. A new improved ALC circuit design insures positive control of flat-topping and spurious emission. Price \$420, less power. ACCESSORIES: AC-400 power supply \$89.95; SC-35 Speaker console \$19.95; G1000DC mobile supply \$129.95; mini-mobile speaker.

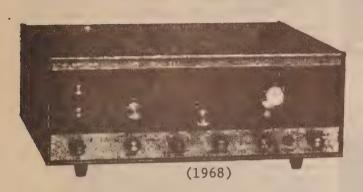


GALAXY GT-550 SSB Transceiver - 80-10 meters; 550 Watts PEP-SSB, 360 Watts CW; 2.1 KHz filter for minimum QRM; ALC prevents flat topping and spurious signal emission. Receiver sensitivity .5uv for 10db S+N/N ratio; stable, 45db carrier suppression; 25 KHz Calibrator optional. Single scale VFO, skirted knobs, compact size 11½x12-3/8x6". Wt. 17 lbs. Audio derived AGC. Solid state circuits for maximum performance, longer life. \$475 less power. ACCESSORIES: CAL-25 Plug-in 25 KHz solid state calibrator \$25; VOX35C Plug-in control \$29.95; F3 Plug-in 300 Hz CW filter \$29.95; RF550 Console: precision wattmeter and 5 antenna or dummy load selection switch \$69;

SC550 Speaker console, matching, with headphone jack and room for AC400 power supply \$25; AC400 115/230V AC supply \$89.95; G-1000 DC supply \$129.95; RV-550 Remote VFO \$95; GTM Mobile Mount \$8.95; VX-35C VOX Accessory; PR-550 Phone Patch; ZZM Floor Adaptor.



GALAXY Model 2000+ Linear Amplifier (c.1966) - 1200 Watts PEP Output on all bands 80 thru 10 Meters. Operates ABl. Built-in relays for antenna switching. Transistorized Automatic Linearity System(ALS) maintains low -30db intermodulation. Input Power: 2000 watts PEP-SSB, 2000 watts CW-RTTY. Uses 10 multiple tubes 6HF. Any 100-200 watt exciter suitable to drive. Fan cooling, one knob bandswitching, pi-netowrk to match 40/90 ohm ant. Built-in adjustable low pass filter. FCC specified metering. 115/230 power supply included in separate cabinet. Combined wt. 49 lbs. Price \$450. Compact 6x10½x11½(Same as Galaxy III and V). 12 Volt DC power supply for Linear \$175.



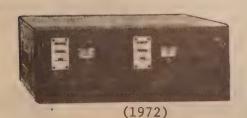
GALAXY Model R-530 Solid State Receiver (c.1968) - Covers 500 kHz to 30.5mHz in 500 kHz tuning ranges. Double conversion superhet modular solid state construction, receives USB, LSB, AM, CW, RTTY signals. Readout within 1000Hz. Sensitivity 1 uv on SSB, .5 uv on AM, .05 uv on CW for 6db S+N/N ratio. 2.1 kHz selectivity on SSB,*500 Hz/CW,*6 kHz/AM(optional filters required*); 50 kHz Calibrator, adjustable noise blanker built in. Operates from 115/230 VAC. 6x17x14"D. 25 lbs. Less 80hm speaker, 600 ohm headphone, line,\$795. SPR530 Table Speaker \$50.



GALAXY Model 2000B Linear Amplifier (c.1968) - Full 2000 watts PEP input on SSB, 1000 watts DC input on CW/RTTY. Bandswitching on amateur frequencies 80 thru 10 w/adjacent MARS-SPECIAL freqs. Uses 6LB6 tubes for 30% more dissipation. Quiet high volume fan. New ALC output control. Can be driven by any exciter providing 100/200 watts drive. Features include switchable accurate metering of high voltage and current, low power tune position, built-in changeover relay for transceiver use, pi-network matching, low distortion ALS circuit with class ABl operation. Two units - RF table top unit $6 \times 10^{1} \text{cx}$ $11\frac{1}{3}$ "D, 115/230 VAC "under the table" power supply unit. Total 44 lbs. \$495.



GALAXY LA550 Linear Amplifier (c.1969) - 200 watts PEP input on SSB, 1000 watts DC input on CW/RTTY. Bandswitching 80 thru 10 meters, with some adjacent MARS and special frequencies. Appearance and styling matches Galaxy GT550 Transceiver series. Price \$495.

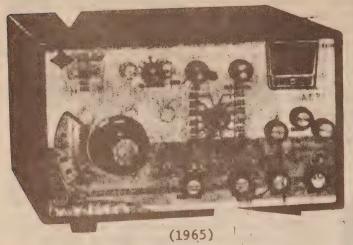


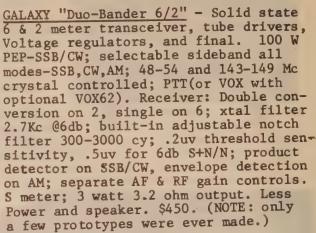
GALAXY/HY-GAIN Model FFR-230 Single Channel Receiver (Military nomenclature: R-1735/URR). Xtal controlled.

2 thru 30 MHz, high stability, all solid state modular construction, Stability: 2.5 PPM -30 to +50 C. Sensitivity: .5uv for 10db S+N/N. \$750. 110/220 V AC.



GALAXY/HY-GAIN Model FFR-230/6 Receiver - Up to 6 channels xtal controlled 2 thru 30 MHz; all solid state; Stability: 2.5 PPM -30 to +50 C. Sensitivity .5uv for 10db S+N/N. \$950. 110/220 V AC.







GALAXY FM-210 FM-Transceiver - American made, fixed station or mobile, direct or repeater. 5 Watts power(10 Watts with optional AC-DC Power Booster); solid state; 143-149 MHz; power req'mts: 12-14 VDC; 3 chan. crystal controlled(146.94 xtal for T and R furnished; Deviation: adj. narrow or wideband w/adj. clipper filter. Receiver: Sensitivity:SINAD .5uv for 12db, luv provides 20db quieting; adj. squelch; dual conversion w/FET front end; internal speaker. \$229.50. AC-210 Power Booster 12-14VDC or 117VAC \$39.95.



GALAXY/HY-GAIN PA-210 2 Meter Mobile Amplifier (1972). Designed as a companion for the FM-210. All change-over relay functions are internal and controlled by the FM-210 through a connecting cable. Solid state, provides 35 watts output. A unique circuit protects the output transistor from voltage spikes and surges. (When used with the FM-210, the AC-210 power booster is not required).



(1971)

HY-GAIN/GALAXY GT-550A SSB 5-Band Trans-ceiver - 80-10 Meters, 550 Watts PEP-SSB, 360 watts on CW and RTTY plate power input. Selectable Sideband, CW or RTTY modes. Solid state VFO, double voltage regulation and temperature compensation make the VFO extremely stable. Built-in 1000 Hz sidetone for CW monitoring, sharp 2.1 KHz filter, ALC prevents flat-topping, fast attack, slow re-lease AGC, 2/1 tuning knob with 6:1 or 36:1 tuning ratios. Harmonic and spurious radiation :-45db down carrier suppression, unwanted sidebands -55db, 2nd harmonic -40db and 3rd order distorition -45db. Receiver sensitivity .5uv for 10db S+N/N ratio. Receiver selectivity 2.1 KHz with 1.8 shape factor for SSB, 300 Hz for CW with optional filter. Fast attack, slow release AVC. Size 6x112x 12½"D. 17 1bs wt. Less power supply and spkr. Price class \$495. AC-400 110/230 VAC pwr supply \$99.95. G-1000 DC Power Supply 12VDC \$129.95. SC-550A Spkr Console \$29.95. RV-550A Standard Remote VFO \$95. OTHER AC-

CESSORIES: RF-550A Wattmeter Antenna Selector, RB-550A Indicator Control unit for Roto-Brake 400; Cal 250 25 KHz Crystal Calibrator, VX-35C Solid State VOX, F-3 300Hz CW filter, GTM Mobile Mtg. bracket, XO-550 Crystal Oscillator Adaptor, PR-550 Hybrid





G.E. MASTR Progress Line Executive Series Mobile FM Radios - 132-174 mHz, silicon transistor reliability, up to 4 channel operation with 35 watts output on 12VDC, Front mount or trunk mount with Control Head, separate spkr, Receiver narrow band or wide band, NB sensitivity .35 uv for 20db quieting, electronically locked squelch control with monitor bypass button, centralized metering sockets accommodate the G.E. TM-11 Test Set, or a single 0-3 VDC 20,000 Ohms/Volt meter can be used. Spurious and image rejection -90db. 2 watts audio output at less than 5% distortion. Modulation + or - 8 kHz Narrow band, + or - 16 kHz Wide Dimensions: Front Mount Unit 3-7/8x13-3/4x 12-3/4"D; Trunk Mount Unit 3-7/8x13\2x12\2"D, Control Head 3-1/8x5\2x3-3/8"D. Wt. 361bs. OPTIONS - Solid state Channel Guard (narrow band only), Handset, GE Type 90 and Digital Tone Signaling, Power-Call/Siren, 10W. Audio.

G.E. MASTR Progress Line Professional Series
Mobile FM Radios - 132-174 mHz, silicon transistorized with tubes in transmitter PA only. Narrow and Wide band models, up to 4 channels available, built-in voltage regulator, Noise Blanker in narrow band models, solid state channel guard in narrow band systems, Ultra High Sensitivity (UHS) receiver also available with .175 uv sensitivity /EIA 12db SINAD, or .25 uv for 20db quieting. Narrow band sensitivity is .50 uv for 20db quieting, wideband sensitivity .55 for 20db quieting. Operates on 12VDC with RF power outputs as follows: Model MT 56/59 30 watts, MT 76/79 60 Watts, MT 76/79 80 Watts. Centralized metering sockets accommodate the G.E. TM-11 Test Set or a single 0-3 VDC 20,000 ohs/volt meter can be used. Spurious and image rejection approx. -100db. Audio output 2 Watts plus. Narrow band modulation deviation + or - 5 kHz, wide band + or - 15 kHz. DIMENSIONS: Under Dash Front Mount 3-7/8x13\(\frac{1}{2}\)x19-7/8'D; Trunk Unit 3-7/8x13\frac{1}{2}x19"D, Control Head 3-1/8x5\frac{1}{2}x3-3/8"D. Separate speaker. Wts. 52-56 lbs.

OPTIONS - Priority Search Lock Monitor, NB on narrow band models, Solid State Channel Guard(narrow band only), Ultra High Sensitivity (UHS) receiver, GE Type 90,99 and Digital Tone Signaling, Handset, External speaker, Power Call and Power Call/Siren.



G.E. Porta-Mobile FM Radios - 132-174 mHz, all solid state, models available for 6, 12, 24 or 36 volts DC, RF power output 6-10 Watts, Separate radio Control Head/speaker, rechargeable Ni-cad battery pack available. Centralized metering sockets accommodate the G.E. EX-3-A Test Set, or a single 0-3 VDC 20,000 Ohms/volt meter can be used. 2 freq. operation. Receiver sensitivity .5 uv for 20db quieting. Spurious image rejection -65 db. Audio output 1.5 watts at less than 10% distorition. Transmitter modulation devia tion + or - 5 kHz. Spurious and harmonic emission -53db. Dimensions: radio 4½x12x12, control head/speaker 3x6½x7½. Wt. 24 lbs.



G.E. Porta-Mobile Portable Radios - FM 132-174 mHz, Interchangeable Power Packs (HB 36 gives 5 Watts RF power output and is equipped with Dry Battery Pack(Alkaline "D" Cells); Model HN 36 gives 6-10 Watt RF output and is equipped with Rechargeable Ni-cad Battery Pack); 2 freq. operation. Receiver sensitivity .5 uv for 20db quieting; spurious and image rejection -65db; audio output .15 watts at less than 10% distortion. All solid state, silicon transistor reliability. Centralized metering sockets accommodate the G.E. EX-3-A Test Set, or a single 0-3 VDC 20,000 ohms/volt meter can be used. Heavy magnet built-in speaker, electronic voltage regulation. Can be used as base station when cable supplied with Ni-cad pack is plugged into AC. 3-5/8x9-1/8x11". Wt. 13 lbs. OPTIONS: Handset, Channel Guard, G.E. type 99 Tone for selective signalling, 2 frequency operation.

G.E. MASTR Progress Line Professional Series Base Stations - FM 132-174 mHz, narrow band and wide band models, 117VAC Solid State power supplies, available in 3 styles: DESK MATE(DM), POLE MOUNT(PM) and FLOOR MOUNT(VM). 2,3 or 4 channel operation. Receiver sensitivity: Narrow band:.35 for EIA 12db SINAD; Wide band .40 for EIA 12db SINAD. NB Modulation Deviation ± 5 kHz, wide band 15 kHz. Transmitter outputs: 60 to 330 RF Watts depending on the Model. G.E. Test Set TM-11 used for metering, or a single 0-3 VDC 20,000 ohms/volt meter can be used. Audio output 2 watts or better. OPTIONS: Priority Search Lock Monitor, Noise Blanker, G.E. Type 90, 99 and Digital Tone Signalling, Ultra High Sensitivity (UHS) receiver with .175 uv for EIA 12db SINAD, Solid State Channel Guard, and choice of 2,3 or 4 channel operation.



DESK MATE (DM)



FLOOR MOUNT (VM)



POLE MOUNT (PM)



GENERAL ELECTRIC VOICE COMMANDER III SOLID STATE FM TRANSMITTER-RECEIVER. 132 to 172 MHz. 1 watt output power. Sensitivity .5 uv. Self-contained Two-Way FM Radio housed in high-impact 2-section case. Top section contains transmitter and receiver modules, built-in mike and speaker, antenna, carrying handle, all switches and controls. Bottom section has rechargeable nickel cadmium battery pack. 9½x5½x1-3/4. Power connections to top section made by plug and jack connections. General Electric Ni-Cad battery charger available.



GLOBETROTTER (World Radio Laboratories-WRL)
Transmitter (before 1947) - 25 watts input on phone, 40 watts CW on all bands from 1500 Kc thru 28 Mc. Tritet oscillator using 40 meter xtal sufficient to drive the 807 final at 10 meters. Heising choke modulation. Three bands 10, 20 and 80 are pretuned and available at the turn of a switch. Oscillator and final stages metered. Two power supplies. Provision to operate remote external ant. relay automatically from plate power switch. Less tubes, coils and meters. Kit \$69.96; Wired \$79.50. Set of 8 tubes \$8.95. 3 in. meter \$5.25. Coils set 80-40-20-10 \$11.80. Xtals \$2.65 ea.

WRL "40" Trotter (Same cabinet & appearance as the "Globetrotter" Above.(c.1951) - 25 watts input on phone, 40 watts CW on all bands from 1500 kc thru 28 mc. Incorporates hot-cathode oscillator using 40 meter xtals with sufficient drive for the 807 final at 10 meters. Heising choke modulation. Band switching allows any combination of 3 bands to be used: 10, 11, 15, 20, 40, 80, and 160 meters. Coils are all pretuned and selected by switch from the front panel. Metering of both oscillator and final stages. Two power supplies built in. Provision to operate 110V AC antenna relay automatically from plate power switch. Less tubes, coils and meter: Kit \$89.50; Wired \$99.50. Set of 8 tubes \$12.95. 3 in. meter \$8.50. Complete set of coils \$15.30.



"GLOBE CHAMPION" Transmitter (c.1948) - 150 watts input phone/CW on 10 thru 160 meters. 2 section unit complete with power supply. Provision for ECO; Automatic protective fixed bias on buffer and final; meter switching all stages; VR oscillator & buffer; Class B speech modulator (NBFM can be used); 2 - 3" meters, 14 tubes. 19½" high. TZ40 final amp. Dual powsupply for RF and Modulator sections. Complete with tubes and one set of coils(other bands coil set \$5.75, coils and padder for 160 \$9.05) Kit form \$279. Wired \$299. RF and Modulator sections sold separately if desired as below:

RF SECTION complete w/tubes, power supply, panel, 1 set of coils: Kit \$149; Wired \$159

SPEECH AMP./MODULATOR SECTION complete w/tubes, power supply, panel: Kit \$135; Wired \$149.50.

175 Watt "GLOBE CHAMPION" Transmitter (c.1949) (Same cabinet and appearance as above). Same circuit and basic specifications but 175 watt input Phone/CW. Kit \$279, W \$299.

165 Watt "GLOBE CHAMPION" Transmitter (c.1951) (Same cabinet and appearance as above). Provisions for VFO. Complete with 17 tubes, two 3" meters, one set of coils (10 to 80M) Kit form \$329.50; Wired \$349.50. Operates CW or phone. Sections available separately if desired: RF Section Model 165-RF Kit \$165; Wired \$175; Wired with NBFM to make a complete phone transmitter \$209. Speech Modulator section Model 165-SM in Kit form \$159; Wired \$169.50. Each section has its own power supply & panel, w/meter.



"GLOBE KING" 275A Transmitter (c.1948) - 275 watts input CW/phone. Covers 10 thru 160 meters. Features include automatic protective bias on final and buffer, front panel control of link to final input, VR osc. & buffer stages, dual power supply, use 40 meter xtals, V70D triodes in final, Class B modulator can modulate up to 300 watts of RF, regenerative type xtal oscillator, provisions for ECO. 28½ high, 19" wide relay rack panels on each section. Available complete in kit form, complete wired, or individual sections wired. Complete with all tubes, meters and one set of coils in cabinet in special wooden shipping crate: Kit \$379.45; Wired \$399.45. Individual wired sections: RF \$165; Speech Amp. & Modulator \$159; Dual power supply \$95. (Each individual section includes 19" panel for relay rack.)

(1948) Model 500A shown. 275A, 400, 400B, 400C, & 500 similar.

"GLOBE KING 400" Transmitter (c.1949) - Similar in appearance and circuit to the 275A but handles 350 watts input on phone, 400 watts on CW. Covers 160 thru 10 meters. Provision for ECO. Complete with one set of coils, cabinet. Kit \$379.45, Wired \$399.45.

"GLOBE KING" 400-B Transmitter (c.1951) - 400 Watts input Phone, 435 Watts CW. Operates 10 thru 160 meters. TVI proofed. Automatic protective bias on Final and Buffer. Front panel control of link to final. Provisions for ECO or VFO. Speech modulator capable of modulating 400 watts of RF. V-70-D's as final RF amplifiers. Three meters, dual power supply. 19 tubes. Class B push pull 5514's in relay controlled modulator. Complete 400-B with one set of coils and 28½" high 19" wide cabinet packed in wooden crate: Kit \$475; Wired \$495. Sections separately available as follows: RF SECTION Kit \$189.50, Wired \$199.50; DUAL POWER SUPPLY SECTION Kit \$110; Wired \$120. SPEECH AMPLIFIER/MODULATOR SECTION Kit \$189.50; Wired \$199.50

"GLOBE KING" 400-C Transmitter (c.1953) - 400 Watts input Phone, 435 Watts CW. Operates 10 thru 160 meters. TVI screened cabinet. All meters shielded. Automatic protective bias on final and buffer. Front panel control of link to final input. Provisions for ECO or VFO. VR on oscillator and buffer stages. Modulator capable of modulating up to 400 watts of RF. Complete with 18 tubes, three 3" meters, one set of coils and mounted in a 28½" x 19" wide panel cabinet. With dual power supply for 110V AC, packed in wooden crate: Kit \$495; Wired \$515. Step down transformer for 220-240VAC operation \$27. Sections available separately as follows: RF SECTION Kit \$189.50, Wired \$199.50. Dual POWER SUPPLY SECTION: Kit \$119; Wired \$129. SPEECH AMPLIFIER AND MODULATOR \$189.50 Kit, Wired form \$199.50.

"GLOBE KING" Model 500 Bandswitching Transmitter (c. 1954) - 500 watts input on CW and phone. Completely bandswitching 10 thru 160 meters. Provisions for VFO operation. Pi-network output matches antennas from 52-600 ohms. TVI screened and by-passed. Provisions for SSB input and operation with external SSB exciter. Dual power supply 110VAC built in. Modulator capable of modulating 500 Watts of RF. 4-250A Final. Complete with 17 tubes, three 3" meters, mounted in 31" high cabinet, packed in wooden crate, 270 lbs. wt. Wired \$675. Sections available separately as follows: RF SECTION Wired \$295. SPEECH Amplifier/MODULATOR SECTION Wired \$239.50. DUAL POWER SUPPLY SECTION Wired \$159.50. Step down transformer for 220VAC to 110VAC \$41.16.

GLOBE KING" Model 500A Bandswitching Transmitter (c.1955) - 500 watts input on CW and phone. 100% modulation with modulator using two 811A Modulators, capable of modulating in excess of 500 watts of RF. PTT feature. Meter allows constant monitoring of modulator plate current. Speech filter. RF section screened, meters shielded, TVI by-passing. Special bias switch allows for SSB operation with external SSB exciter. 4-250A Final tube. Dual power supply. 10 thru 160 Meters. Pi-network matches 52-600 ohm antennas. Provisions for external VFO operation. Complete with 17 tubes, three 3" meters, mounted in a 31" high cabinet, packed in wooden crate. 270 lbs. Wired \$675. Sections available separately as follows: RF SECTION Wired \$259. SPEECH AMP-LIFIER/MODULATOR SECTION Wired \$239.50. Dual POWER SUPPLY SECTION \$159.50.



"GLOBE SCOUT", "GLOBE SCOUT 40" Transmitter (c.1952)
50 Watt input Phone/CW 160 thru 10 Meters. Built-in
110 VAC power supply (can be used mobile with external DC supply). Xtals in the 160, 80, and 40 meter
range cover all bands. Oscillator can be driven by
external VFO. Heising and Screen commination modulation. Cathodes of both oscillator and final stage are
keyed during CW operation. Link coupled output. Metering of final grid and final plate currents. Size 8½x
14½x8"H. 27 lbs. Complete including tubes, cabinet,
one set of coils: Kit \$89.95; Wired \$99.95. Coils
per set of 6 160-10 \$18.



"GLOBE SCOUT 40A" Transmitter (c.1953) - 40 watts input phone, 50 watts CW. Bandswitching 160 thru 10 meters. 6146 tube final. Metering of final grid and plate currents. Combination pi-network/antenna tuner. 3 stage modulator for 100% modulation. 110 VAC power supply built-in, can be used mobile with external DC supply. 8x 16x8"H. 27 lbs. Complete w/tubes. Kit \$89.95; Wired \$99.95. Xtals 160,80,40M used \$2.95 ea.

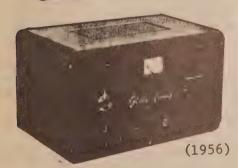


"GLOBE SCOUT 65" Transmitter (c.1954)
65 watts CW, 55 watts Phone input.
Bandswitching coverage of 160 thru 10
meters. Built-in 110V AC power supply
(can be used mobile with an external
DC supply). 6146 final, metering of
final grid and plate current; combination pi-network antenna tuner will work
into any 52-2000 ohm antenna. Coax output. 3 stage 100% modulation. All main
controls on front panel. 8x16x8"H. 27
1bs. Complete w/tubes:Kit \$89.95, Wired
\$99.95. 160,80,40M Xtals \$2.95 each.

"GLOBE SCOUT 65A" Transmitter (c.1955). (Similar appearance, updated version of the "Globe Scout 65" above). Rated 65 watts CW, 55 watts phone. 6146 tube in final. Bandswitched coverage 160 thru 10 meters. Improved metering circuit provides for metering of final grid and plate circuits and protection of meter. New selector switch for crystal or external VFO. Combination pi-network antenna tumer for 52-1000 ohm ant. Coax output. 3 stage 100% modulator. 110 VAC power built-in. Socket for external DC source and to provide power for external VFO. 8x16x8"H. 27 lbs. Economical Xmtr. Complete w/tubes: Kit \$89.95; Wired \$99.95. 160,80,40M xtals used \$2.88 each.



"GLOBE SCOUT 65B" Transmitter (c.1956). TVI shielded cabinet. Rated 65 watts CW input, 55 watts AM phone. 6146 tube in final. Bandswitch coverage 160 thru 10 meters. Metering of final grid, plate, and protection of meter. Selector switch for xtal or external VFO operation. Combination pi-network, antenna tuner, 52-1000 ohm antenna. Coax output. 3 stage 100% modulator. Any high imped. mike. 110V AC supply built in, socket for external DC supply and to provide voltages for external VFO. Compact size 8x14x8"H. 27 lbs. Complete w/tubes: Kit \$89.95. \$99.95, wired. 160,80,40M Xtals used.



"GLOBE CHIEF 90" CW Transmitter (c.1956). Rated 90 watts full output all bands (75 watts for novice use.). Self-contained. Two 807 tubes in final. Complete bandswitching 160-10M. Conbination pi-network output matches 50-600 ohm antennas. Safe keying through modified grid-block system. Provision for external VFO, speech modulation, antenna changeover relay. 8x8x14½". 27 lbs. Built-in AC supply. Kit \$49.95; Wired \$64.95. Xtals \$2.88 ea.



"GLOBE CHAMP Model 300" Transmitter (c.1956) - 300 watts input CW, PEP SSB (external exciter), and 250 watts AM phone. Built-in VFO, PTT, and antenna changeover relay. Improved Time Sequence utilizing grid block keying. Pi-network output matches 48-700 ohm antennas. Bandswitch coverage 160 thru 10 meters. Illuminated VFO dial and meter. Low level speech filter clipper plus splatter choke. Class B modulation. Xtal or VFO operation. Extensive TVI suppression. Two Amperex AX-9909 tubes in final. Provision for novice use 75 watt power reduction. Built-in AC P.S. 12x212x17". Kit \$349; Wired \$449.



"GLOBE CHAMPION 300A" Transmitter (c.1958). 350 W. CW, 275 watt phone, 300 watt PEP SSB w/10 watt external exciter. Bandswitched coverage 160-10M. Extensively TVI suppressed. High level Class B Modulation, commercial type compression circuit. Pinet output 48-700 ohms. Built-in VFO, PTT, antenna changeover relay, time sequence keying. Fancooled two AX9909 tube final, ventilated cabinet. 75 watt novice power reduction. 12x21½x17". 112 lbs. Kit w/wired VFO \$395. Wired & tested \$495.

GLOBE Equipment descriptions continued next page.

Globe Equipment continued (WRL/Globe Electronics Division of Textron, Inc.)



GLOBE KING 500B (1956) - Single Switch bandswitching 160-10M; 540 watts on Fone, CW, and SSB with external exciter. Built-in VFO. Pi-network matches 52-600 ohm antennas. Electronic Gri-block time sequence keying. High level Class "B" modulation w/audio compression circuit; Screen enclosed RF for TVI plus bypassing; provision for SSB input and operation; Built-in relays including antenna changeover relay; large 32" meters; push-to-talk. 3 sections contained in 31"high cabinet with hinged top 1id and rear door. 4-250A Final. Dual power supply. Air cooled. 270 lbs. \$675. PURCHASED SEPARATE SECTIONS IF DESIRED: RF Section \$295; Speech Amplifier & Modulator (modulates up to 540 watts of RF) \$239.50; Dual Power Supply and Built-in illuminated dial VFO with voltage regulation, \$175.

GLOBE KING 500C (1958) - (Same appearance and cabinet as 500B left) - Bandswitching 10-160M Xmtr for 540 watts Fone and CW; 540 W. PEP on SSB with any 10 W. external exciter. Relay-controlled including built-in antenna relay; built-in VFO, commercial type audio compression circuit for high level modulation; grid-block keying.

Pi-network output matches 52-60 ohm antennas. Provision for crystal operation. (700 watts max. on DSB or SSB(PEP) with 15-20W external exciter. 31x22x14-3/4". 300 lbs. TVI suppressed cabinet. Price class \$895. SEPARATE SECTIONS: R.F. with 4-400A tube final \$390. Modulator & P.S. w/2 811A mods. \$230. P.S. & V.regulated VFO \$226.



GLOBE SCOUT 680 (1957) Transmitter - Complete Bandswitching 80 thru 6 meters; 65 watts CW, 50 watts phone. 6146 final. Metering of final grid and final plate circuits. Selector switch for crystal or external VFO operation. Pinetwork(80-10M) output for 52-1000 ohm antennas. Link coupled output on 6M. AC power supply built-in (may be used mobile with external DC supply). 8x14x8". 271bs. Kit \$84.95; Wired \$99.95. Crystals \$2.88 each.

GLOBE SCOUT Model 66 - Same as above but covers 160-10M. Ideal for CAP, MARS, other commercial uses. Wired \$99.95.

GLOBE SCOUT 680A Transmitter (1958) - Similar appearance and cabinet to the 680 above. Compact, self-contained, bandswitching 65W CW, 50W. fone, plate modulated, on 6-80M. Built-in power supply. High level modulation. TVI suppressed cabinet. Pi-net output on 10-80M; link coupled on 6M matching low imped. beams. 6146 final. Shielded meter. 8x9x14". 27 lbs. Kit \$99.95; Wired \$119.95. Xtal or external VFO (Model 755A suggst'd).



GLOBE Model LA-1 Linear Amplifier (1957) - Class B and C, Grounded Grid Final, AM-SSB-DSB-CW; Pi-network output. 6-80M with built-in filtered Power Supply. 200W input AM Class B, 300W. DC or 420W PEP input Class B linear SSB or DSB. 300W Class C for CW. Pi-net 80-10M; 52 ohm Pi-Link coupled on 6M. TVI protected. Meter monitors final plate current also indicates RF output. 8x9x14". 25 lbs. Requires 15 to 18 watts driving power. Kit \$89.95; Wired \$109.95.



GLOBE "Sidebander" Model DSB-100 (1958) - Transmitter Bandswitching 10-80 meters; AM 40 watts, CW 50 watts, DSB 100 watts PEP inputs. Includes CAP and MARS. 2-6DQ6A Final amplifiers. Automatic balancing and floating grid circuit holds carrier suppression to -35db. Use standard crystals or external VFO. Selectable sideband. Straight thru RF section for max. efficiency. Internal tone generator for tuneup. Pi-network output 52-200 ohm antenna match. Speech clipping and filtering. 600V power supply has ample power for external accessories(VFO, VOX etc. Socket on rear chassis apron. Provisions for Ant. relay control. 8x14x9" 30 lbs. Kit \$119.95; Wired \$149.95 VOX Model 10 Wired \$29.95. QT-10 Anti-trip Wired \$9.95.



GLOBE "Chief" 90 A Transmitter (1958). Bandswitching 90 W. CW transmitter for 10-160 meters. Built-in power supply. 75 watt indication for novice use. Pi-network output for 52-600 ohm antennas. Modified grid-block keying. Provision for VFO input and operation. Convertable to phone with Globe screen or plate modulator. Meter and cabinet shielded for TVI, 8x14x9". 27 lbs. Kit \$59.95; Wired \$74.50. Model SM-90 Screen Modulator Kit \$11.95. Xtals \$2.88 each.



GLOBE "Hi-Bander" Model VHF-62 Transmitter (1958). Transmitter for the 6 and 2 meter bands. 60w CW, 55w AM input on both 6 and 2 M. Single control bandswitching. 4-stage RF section with straight thru operation. Harmonic and TVI suppression. Metered RF stages. 52-72 ohm coax output. Duoband final tank circuit eliminates switching. 6146 final. Built-in AC supply, suitable for mobile use with external DC supply. Socket for external accessories such as VFO. 8x9x14". 30 lbs. Kit \$129.95; Wired \$149.95.



GLOBE "Power Master" Model LA-1600 Linear Amplifier (1958) DSB or SSB Linear rated at 1600 watts PEP input, 800 w. input CW, 250 W. input AM. Class ABl - Distorition products at minimum. TVI reducted by not driving grids into current region. Only 5-10 watts driving power required for full output. Heavy duty power supply built-in. Rotary blower plenum chamber. Grid and plate currents metered by switch. Bandswitching 80 thru 6 meters. Pi-net output to 30 to 150 ohms. Hi-Q circuits for maximum harmonic attenuation. Kit \$349.95 Tentative; Wired \$399.95.



GLOBE "Scout Deluxe" Transmitter (1960) - Covers 80 thru 6 meters. 6146 final operates straight thru. Pi-network output 10-80 meters, panel adj. link coupling on 6m. Bandswitching, TVI suppressed, 90 watts CW, 75 watts Phone input. Built-in power supply. High level plate modulation. 3-gang 1300mfd loading capacitor provides continuous adjustment 10-80 meters plus harmonic and TVI-suppression. Full scale reading meter. 154x64x114"/35 lbs. Wired and tested \$159.95. Kit \$119.95.



GLOBE "Chief Deluxe" Transmitter (1960) - CW 10-80M Bandswitching 90 watt input (75 watt meter indication for novice use). Modified grid-block keying (cathode keying with VFO). Provision for Plate or Screen modulation by simple plug in for AM use. Built-in power supply. TVI and harmonic suppression built-in. VFO or Globe modulators can be added w/o modification. 15½x6½x11½. 31 lbs. Kit \$59.95; Wired and tested \$79.95. Two 807 final amplifiers used.



GLOBE "Champion 350" Transmitter (1960) - Bandswitching 10-160 meters. 350 Watt CW, 275 W. AM Phone, 450 W. PEP SSB with 10 W external exciter. Improved shielding for TVI. Class B modulation with compression circuit eliminates distorition. Pi-network output to 52-300 ohm antennas. Built-in VFO with stable circuit. Built-in PTT and antenna changeover relay. Filtered keying circuit eliminates key clicks. Covers most MARS and CAP freqs. Adjustable bias for sideband operation. Parallel AX9909 finals with 400 watt power capacity are fan air cooled. Ventilated cabinet. 10-15 watts drive for 450 W. PEP SSB-DSB. 112 lbs. Wired \$495.



GLOBE "Globe ceiver" Receiver (1963) - General coverage 540 Kc - 30 Mc. Electrical Bandspread. Slide Rule Dial - 5 Scales. Has built-in speaker, Earphone jack. Receives AM-CW. Has built-in loopstick antenna. Wt. 15 lbs. Wired \$64.95.



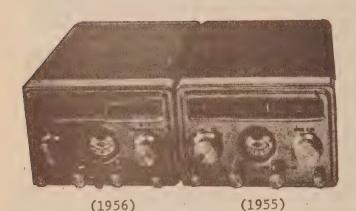
GLOBE MOBILINE SIX - 6-Meter Transceiver, Mobile or fixed station, built-in 115 VAC, 6 or 12 VDC power, 5x12", 20 lbs. Rcvr utilizes 7 tubes, RF stage, 1 uv sensitivity, squelch control. Transmitter has VFO which is voltage regulated and shock mounted for stability; 2E26 final handles 20 watts input. VFO or crystal control. Someter, tuning meter, slide rule dials, VFO spotting, class B modulation. \$299.95. (note: only about 100 units were made)



GONSET (Division of Aerotron, Inc.) "Commander" Transmitter—(1952) - Covers 1.7 to 54 Mc continuous. 6146 RF final. 35 watts input phone, 50 watts on CW. Uses carbon or high imped. dynamic or xtal mike. Suitable for under dash mounting. Feeds conventional coax, ribbon, and open line or direct to Marconi antenna. $5\frac{1}{2}x8\frac{1}{4}x7\frac{1}{4}$. Complete with tubes and 2 hi-Q coils for 10-11,15,20,40,75 and 80 mtrs. \$124.50. Control Head and VFO uses no tubes, plugs into Commander, \$29.95 (Model 3020). Xmtr requires 300VDC/225Ma, 6.3V AC or DC at 3.15 Amps.



GONSET "Super-Ceiver" Receiver (1953) - Combination of 3 parts: Converter (shown but not included with the Super-Ceiver); control box, and xtal controlled superheterodyne receiver with input circuits fixed, tuned to 1430 Kc the output frequency of the average converter. Use of converter results in dual conversion. Built-in speaker and vibrator power suppy 6V. Rcvr unit 7x6-3/4x54"H. Control head 5"x34x2"H. Complete with tubes and crystal \$119.50. Has 4 IF stages (265 Kc), adjustable squelch, BFO, AF-RF controls, noise clipper. Suggest "Super Six" Converter 75 to 10 meters to use with above. \$52.50. Later "Super-Ceiver" Model 3041-12 for 12V DC use \$119.50.



GONSET G-66 Mobile Receiver (1955) (Shown right) - 6 Bands 540 Kc-29.7 Mc. AM, CW, SSB double conversion xtal controlled oscillators. 265 Kc 2nd IF, high Q tuned circuits, 3.5 kc IF bandwidth 6db down. AVC, ANL, Smeter, BFO pitch, slide rule dial, phone jack, 3 watts audio. Less power supply, spkr \$169.50. "3-way"6V-12V-115VAC/spkr \$39.95.

GONSET G-77 Mobile Transmitter (1956) (Shown left) - Covers 80-10 meters. Highly stable VFO or Xtal. Each band spreads over much of slide rule dial. Full bandswitching, pi-net-work output. 50-60 watts modulated input, CW provisions. 6146 final. High gain speech with clipping. Heavy duty power supply/modu-lator in separate unit, vibrator 6V or 12V input, 500-600V output full load. \$289.50. GONSET MOBILE TWINS: G-77 Xmtr & G-66 Rcvr. Size each 6 x4 x9 D. Under dash mounting.



(1957)

GONSET G-66B Mobile Receiver (1957) - 6 Bands 540 Kc-29.7 Mc. AM, CW, SSB reception. Double conversion, xtal controlled 2nd oscillator. 265 kc IF 8 high Q tuned circuits, 3.5 kc bandwidth -6db. AVC, ANL, Panel S-meter, antenna trimmer, BFO pitch, Audio-RF gain control, Individually calibrated scale on "drum type" full width slide rule dial. Less power supply and speaker \$209.50. "3-way" 6-12V DC-115V AC supply/spkr \$44.50. "Thin pack" power supply, 12V DC only, no speaker, \$29.50.



(1955)

GONSET "Commander II" Transmitter - Mobile or fixed station. 60 watts input phone or CW. Continuous coverage from 160 thru 6 meters. Xtal controlled or external VFO(80 thru 10 meters). Loads 52 ohm coax or 300 ohm lines. Class AB2 beam tetrode modulators with high level clipping. Carbon or high imped. mike input. 6146 final, two high Q plug-in coils furnished cover 10-80 meter bands. Coils easily changed from front panel. Requires 300-500VDC/225ma. and 6.3V AC or DC at 3.15 amps. 5½x8½x7½"D. Wired with tubes less power, xtal, mike \$124.50. Model 3020 VFO for Commander II (10-80M.bands) \$29.95.



GONSET Model 500W Linear RF Amplifier (1955) - SSB, CW, AM phone. Single control bandswitching 10-80 meters. SSB 250 watts PEP; AM 100 watts carrier; CW 240 watt output. Pinetwork output matches 50 to 300 ohms. Built-in heavy duty power supply. 807 finals. Very low drive required. Full metering. Screen protection overload relay. Metering shows grid drive and RF output voltage. \$339.



GONSET 2-Meter Linear Amplifier (1955) - For use with Communicators or other low power exciters. Push-pull 826's VHF triodes with forced air cooling. Built-in power supply, antenna changeover relay. Operates as linear amplifier delivering 50-60 AM watts carrier with only 4 to 5 watts drive. 7-3/4x10½x9½". 30 lbs. \$159.50 #3063.

GONSET 6-Meter Linear Amplifier (1955) - Same as 2-meter amplifier above but for 6-meters. Model #3065...\$159.50.



GONSET G-77A Transmitter (1958) - Companion to G-66B receiver. Bandswitching mobile transmitter covers 80-10 meter bands. Has built-in stable VFO, drum dial with 40:1 tuning ratio, pi-network output, 6146 final with 50-60 watt input. Modulator has speech clipping. Panel meter reads modulator plate current and grid and plate final current. VFO/crystal switch, spot switch. Comes with built-in dual 12V and 115VAC power supply. PTT system with built-in antenna relay. Separate P.S. Xmtr size $4\frac{1}{2}$ x6 $\frac{1}{2}$ x9". 32#. \$299.

GONSET GSB-100 SSB Transmitter (1958) - Selectable SSB, CW,



AM operation. 100 watts PEP input on 80 thru 10 meters in 600-kc ranges. Also operates on phase modulation, features built in VOX, stable VFO, heavy duty power supply, complete bandswitching. Carrier suppression 60db, unwanted sideband suppression 45 db. Excellent CW keying, 100% AM modulation. Blocking bias for cut-off of external linear amplifier when receiving. Pi-network output matches 30-200 ohms. 104x194x18".

For 110-120 VAC operation. Wt 120 lbs. \$479.50.



GONSET G-33 Receiver (1958) - General coverage 4-band .54-34 mcs. Drum-type dial with calibrated bandspread. Dial provides logging scale and calibrated scales for Amateur bands. 1650 kc IF, 3 double tuned hi-Q transformers for improved image rejection and sensitivity. Sensitivity and function selector switch. Built-in 4" speaker plus jack. For 110-120V AC. 162x8x10". 23 lbs. \$89.95. Prtd circuit.



GONSET G-43 Receiver (1958) - 6-Band general coverage .54-30 mcs. Drum-type bandspread dial is calibrated for Amateur bands; also has logging scale. Band 6 calibrated for use with converters VHF. IF has 6 double tuned hi-Q xfmrs for 6kc at 6db down selectivity. Bandswitch, sensitivity, ANL, Xtal calibr., phone-CW, antenna trimmer controls. Built-in 4" speaker with jack. 16½x8x10½. Uses printed circuits. For 110-120V AC. 27 lbs. \$159.50.



GONSET Model 3211 R.F. Linear Amplifier (1958) - Matches Communicator III. Increases carrier output of Communicator or other low power 2 meter exciter to 50-60 watts. Switching exciter to transmit automatically activates amplifier including internal antenna relay. Uses two 826 VHF triodes with forced air cooling. Heavy duty power supply built in. Size 10-3/4x10-3/4x10½". 15 lbs. \$169.50.

GONSET Model 3212 R.F. Linear Amplifier (1958) - Same as Model 3211 above except for 6-meters. \$169.50.



GONSET GSB-101 Linear Amplifier (1958) - Grounded Grid, rated 1000 watts PEP input, can be used with GSB-100 SSB Xmtr or any exciter delivering 60-70 watts RF drive. Front panel bandswitching 80 thru 10 meters. Flexible pi-network output matches 30-200 ohms. Built-in antenna relay. Built-in bias and power supplies. 4-811A and 2 -866A rectifiers. 11½x19½x14½" 94 1bs. For 105-125v AC. \$439.50.

(1958)



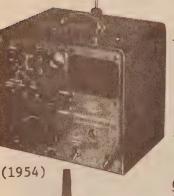
GONSET Model G-76 Transceiver - 80 thru 6 Meters, 100 Watts on AM phone, 120 Watts CW. VFO control on 80 thru 10 meters, crystal control on 6 m. Pi-network output, illuminated tuning meter. PTT. Receiver is dual conversion superhet; built in BFO, noise limiter and S-meter. Sensitivity luv for 10db S+N/N ratio. Comes less pwr supply. 125x5x105D. Wt. 27 lbs. \$376.25. 12 VDC Transistorized Power Supply \$145. 117 VAC Power Supply \$145.



GONSET MSB-1 SSB Transceiver - 80 thru 10 meters, 125 Watts PEP input SSB/CW. Mobile or fixed station use, mounts readily under dash. Single knob VFO tunes both transmitter and receiver. Crystal filter; VOX, PTT, and Phone Patch provisions. Receiver is superhet; sensitivity luv for 6db S+N/N ratio. Crystal bandpass filter. 5x12x12"D. Wt. 27 lbs. Complete with 12 Volt DC supply. Price \$795. 115 Volt AC power supply \$145.



(1953) GONSET COMMUNICATOR I - Complete self-contained station for 2 meters in a single compact unit. Dual power supply operates from 110VAC or battery. Superhet receiver includes spkr, 10 tubes, cascade RF, noise clipper, adjustable tuning range 144-148.3mc, crystal or carbon mike input, calibrated tuning dial, 6E5 tuning eye. Transmitter uses 8mc xtals, 5-7 watts output, 2E26 final. 10 x9 x7"; complete with 19" whip antenna; 18 lbs. For 110VAC/6VDC, less microphone and crystal, \$209.50.



GONSET COMMUNICATOR II - New improved complete station in one portable case. Built-in adjustable squelch, headphone jack, dial light switch. AM phone; 5-7 watts output; crystal or carbon mic; uses 8 mc xtals. Cascode RF stage, 3 IF stages, noise limiter, PM speaker. With tubes, 19" whip antenna, less mike and crystal. 10½x9½x7". 24 lbs. Model 3025 for 2-Meters 115VAC/6VDC \$229.50. Model 3057 for 2-Meters 115VAC/12VDC \$229.50. Model 3049 for 6-Meters 115VAC/6VDC \$229.50. Model 3058 for 6-Meters 115VAC/12VDC \$229.50.



GONSET COMMUNICATOR III - Modern successor to previous line of Communicators. 2-Meter or 6-Meter self-contained stations with built in power supply that operates on 6/12/ or 115 VAC. Rcvr: low noise X-155 RF tube in Cascade with AVC; gang tune circuits, improved IF selectivity, noise limiter, adjustable squelch, earphone provisions; Transmitter: reduced spurious response, heavier modulation, panel meter replaces tuning eye and switches to exciter or RF output or to receiver for S-mtr. Silicon diodes as rectifiers. Slide-rule tuning dial. Provision for 6 xtals with panel selector switch, also external VFO. 10x9x7" Wt. 25 lbs. All tunable circuits now have tuning knobs. Less crystals and microphone. Model 3136 for 6-meters \$269.50; Model 3133 for 2-meters \$269.50. Full Press-to-talk xmtr operation.



GONSET COMMUNICATOR IV - Complete VHF Station for 6 or 2 Meters. 20 Watts plate input, 10 watts of audio; high level speech clipping; choice of 6 crystal controlled frequencies. Receiver is triple conversion plus a crystal controlled 1st conversion for high stability. Sensitivity 0.4uv for 10db S+N/N. Adjustable squelch, S-meter, noise limiter. Built in 12VDC or 117VAC Supply. 17 tubes plus VR and power transistors. Comes complete with ceramic mic with PTT switch and coiled cord. 5-1/8x12-3/4x10-3/4"D. Shpg. wt. 26 lbs. Price for either 6-meter or 2-meter \$369.50. Model 3341 2-Meter Communicator IV; Model 3342 6-Meter Comm. IV



GONSET "Gooney Bird" Communicator - A complete 2-Meter Station.
6 Watts output, 100% modulation, PTT, xtal or VFO controlled.
Self-contained 6/12 VDC or 117VAC. Squelch provided, headphone jack, dual purpose meter switches from signal strength to output. 6 crystal positions. 5 tubes plus 3 silicon diodes. Less mike. Model GC-105 2-Meter Communicator \$259.95. Model 3250 Ceramic mike with PTT switch and coiled cord \$9.95; Model 3365 Universal Mounting Bracket kit \$3.95. Size of GC-105 is 6\x16x8\text{1D}.

(1962)

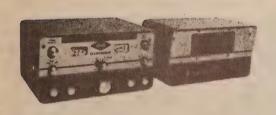


GONSET G-50 6-Meter Communicator - Complete 6-Mtr fixed station covers 50-54 Mc; built-in low pass filter to attenuate harmonics and spurious signals over 65 Mc; 48 watts input, VFO or crystal, pi-network and ganged multiplier stages. Receiver is dual conversion, 7 Kc selectivity, high S/N, adjustable squelch, S-meter, calibrated planetary vernier dial tuning, VFO spotting switch. Meter conversion switch for grid or plate currents, or modulator plate current. Panel mounted speaker. ANL. Built-in 115VAC Supply. 7½x12½x13. 29 lbs. AM mode; transmitter uses 6146 tube in final. \$319.50

GONSET G-28 10-Meter Communicator - Identical to the G-50 above except covers the 10 Meter band (Tunes 28-29.7 Mcs). Complete with built-in 115VAC supply \$299.50.



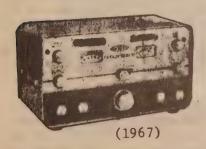
GONSET GSB 2-Meter 900A "Sidewinder" - 20 Watts PEP-SSB/CW input, 6 Watts input AM. Covers 144-148 Mc in 1 Mc segments. Operates USB on SSB or AM with carrier inserted. Solid state design in low level circuits, tube in driver and final of xmtr. Crystal lattice filter for excellent selectivity. Receiver is double conversion with spurious rejection of -40db or better, carrier suppression of -50db, sideband suppression -40db or better. Receiver sensitivity is .5uv for 10db S/N ratio. Off-set receiver tuming. 4 crystal transmit sockets (one on panel). Size 9x5x9", 11 lbs. Less power supply (Power supply attaches to the back as show in the picture), \$399.50. Power supplies: 901A 115VAC \$73.50; 902A 12VDC \$79.50. Power supplies weigh approx. 14 lbs.



(1965)

GONSET GSB 6-Meter 910A "Sidewinder" - 20 Watts input PEP-SSB/CW, 6 Watts input AM. Covers 6M band 49.975-54.025 Mc in 1 Mc segments. Operates USB on SSB or AM with carrier inserted. Solid state design in low level circuits, tube in transmitter mixer, driver, and final. Crystal lattice filter for excellent selectivity. Double conversion receiver with spurious rejection of -40db or better, carrier suppression of -50db, unwanted sideband suppression -40db or better. Receiver sensitivity is .5uv or better for 10db S/N ratio. Size 9x5x9, Wt. 11 lbs. Power supply not included. Price \$399.50. (Power supply is a separate unit and is shown

beside the "Sidewinder".) Power Supplies: 911A 115VAC \$73.50; 912A 12VDC \$79.50 Weight of power supplies is approx. 14 lbs.



GONSET GSB-2 (900C) 2-METER TRANSCEIVER (1968). Covers complete 2 meter band in 4 ranges. Power is 50 watts USB, 50 watts CW, 15 watts AM. Solid state all transistor except driver and final. tunable receiver, incremental receiver off-set tuning, crystal filter for generation and receiving selectivity. Double conversion superhet receiver with .5 uv sensitivity. Less power supply and speaker \$399.50. 9½x5½x9". 11#'s. Matching 115VAC Power Supply/Speaker \$95. Matching 12VDC Power Supply(no spkr) \$99.95; MS3BB Spkr \$5.90

GONSET GSB-6 (910B) 6-METER TRANSCEIVER (Similar to GSB-2 above). Covers Full 6-meter band. Input rating 20 watts PEP/SSB, 20 watts CW, 6 watts AM. Less power supply and speaker \$299.50. Matching 115VAC P.S./Spkr \$75; matching 12VDC power supply/internal speaker \$61.95. Size of GSB-6: 9½x5½x9". 11 lbs.



GONSET G-63 Receiver (1961) - SSB, AM, CW reception on 6 amateur bands 80 thru 6 meters. Sensitivity: 1 uv for 6db S+N/N ratio. Double conversion, 262 2nd IF freq. in Kc. Diode detector AM, product detector for SSB/CW. ANL. Large drum type dial scale. BFO., AVC, S-meter. 8x164x10½". For 110-125v AC. Less speaker, \$239.50. Model 3269 plug-in 100 Kc Xtal calibrator \$14.95. (Accessory for G43, G63, G83).



GONSET GSB-201 Linear Amplifier (1961) - 5-Band table-top linear amplifier covering 80 thru 10 meter ham bands. 1500 watts PEP input on SSB, 1000watts CW, and 400 watts AM. Fully bandswitched. 4-811A tubes in stable grounded grid circuit, pi-network output. Requires 100 watts PEP drive for Maximum of 1000 watts PEP output. Switchable meter reads plate current or relative power output. Built-in antenna changeover relay and bias supply. 110-125V AC power supply built in. 8½x12-5/8x17. 92 lbs. \$419.95.



GONSET GR-211 general coverage Receiver (1962) - AM phone and CW reception. Covers .54 to 34 mc in 4 bandswitched ranges. Calibrated bandspread for the 10 thru 80 meter ham bands plus Citizens Band. 2 illuminated full-vision slide-rule dials. Built-in speaker, antenna trimmer, vernier tuning, hi-Q permeability tuned coils. 8x12x10" For 115V AC. \$69.95.



GONSET GR-212 Receiver (1962) - Double conversion, 6-Bandswitched ranges: 540 to 1600 Kc, and 2 to 30 Mc in 5 ranges. Sensitivity: 1 uv for 6db S/N ration on high freq. bands. Separate calibrated bandspread for 10-80 meter ham bands. Slide-rule dials and weighted bandspread knob; variable BFO; S-meter; built-in speaker. For 115v AC. 8x12x10". \$109.95.



GONSET Model 903A 2-Meter Linear RF Amplifier (1965) - Class ABI on SSB-AM-CW-MCW-FM-FSK service and Class C on FM-CW. Linear ABI service delivers 200 watts output and non-linear class C delivers 280 watts output. Ideal for Sidewinders, Communicators, or other low power exciters delivering at least 5 watts rated drive. Complete with built-in solid state power supplies and 4X150A final tube. Input-output is 50/75 ohms. 8½x12-5/8x17-5/16". 60 lbs. \$339. 4X150A is blower cooled.

GONSET Model 913A (1965) - Same as the 903A above but for 6-meters. \$339. Both the 903A and 913A have 500 W. input rating.

GONSET Model 903A-MK 2 and Model 913A-MK 2 (1968) - The same as the 903A and 913A above except they include built-in transfer relays using coaxial relays for transceive use, or may be wired for conventional transmitter-receiver use. Model 903A-MK2 for 2-meters \$349.50; Model 913A-MK 2 for 6-meters \$299.50. 8 2x12-5/8x17-5/16". 60 lbs.



GONSET "Comtrom" Model 972A VHF Mobile Amplifier (1967) - 144-174 Mcs. Built-in solid state 12VDC supply. 4X150A forced-air cooled final. Operates AB2 linear operation with as low as 5 watts drive; operates class C with up to 30 watts drive. Typical output is 90 watts linear with SSB/AM excitation, 120 W. output with class C use and FM/etc. excitation. 50 ohm in-out. 8½x12-5/8x17-15/16". 46 lbs. \$299. #3459 Installation Kit with control head, cables, etc. \$59.



(1968)

GONSET GSB-201-MK 2 Linear Amplifier (1968) - Grounded Grid, internal solid-state 115VAC supply, bandswitching 80-10 meters, adjustable pi-network. Antenna transfer relay switching included for automatic switching with either a transceiver or transmitter exciter. 4-811A tubes, rated at 1500 watts PEP/SSB, 1000 watts CW, 750 watts RTTY, 300 watts AM input. 8\frac{1}{2}x12-5/8x 17\frac{1}{2}. 80 1bs. \$329.95

GONSET GSB-201-MK 3 Linear Amplifier (1968) - Uses 4-572B tubes rate at 2000 watts PEP/SSB, 1000 watts CW/RTTY, 400



GONSET GSB-201-MK IV Linear Amplifier (1970) 2000 watts PEP/SSB, 1000 watts CW, 600 watts AM input. Driven by 65/150 watt exciters. Full bandswitching 80-10 meters. Adjustable pi-network matching. Full vision meter reads Plate voltage, current, RF output. Low-power tuneup selection. Solid-state supply operates either 115/230VAC. Internal relays allow use with transceivers or transmitters. Four 572B tubes. Instant on operation. Antenna relay & bias supply built in. 8½x12½x17. #73. \$525.



GONSET Model 6RP VHF-FM Pocket Receiver (1971) - Crystal controlled, 2 channel, double conversion 100% solid-state pocket receiver covers 146-160 MHz. Sensitivity: .5 uv for 20db quieting. Selectivity 60db down at ± 20 kHz. 30 kHz channel spacing. Built-in speaker. Uses rechargeable Nicad battery. Has built-in antenna, squelch control; optional earphones. Provision for external antenna. 5-3/8x2½x1". Has belt clip. 12 ounces incl. battery. 25 Xistors, 1 FET.





GONSET Model MRS VHF/UHF Dual Band
Scanning Monitor Receiver (1971) Choice of two "front end" modules:
Low band(30-50 MHz) and Hi Band(146174 MHZ) or UHF(450-470 MHz) Scans
up to 4 channels in each range giving
up to 8 crystal controlled channels.
Modules interchangeable. Also has a
priority channel lock for your favorite channel. Digital readout flashes
the number of the channel being monitored. A rear mounted channel "lockout" switch system permits selecting
any combination of the 8 available
channels to be scanned. Single channel
monitoring can be manually selected.

Solid state, variable squelch, built-in speaker, external speaker jack, Dual conversion superhet on VHF, triple conversion on UHF, 117VAC or 12VDC powered. Mobile mtg. hdwre.



GONSET G705 2-WAY AM RADIO TRANSCEIVER
(1970). All solid state. Covers 25-50 MHz
in 4 ranges. Double conversion superhet recvr
with 1 uv sensitivity for 12db S+N/N ratio.
Selectivity 3KC at 6 db. Crystal controlled
receiver. Transmitter power input 5W, output
2.8W nominal. Spurious and harmonic emission
50 db down. 95% modulation capability. Operates from 12VDC or optional 115VAC base station power supply: 2-3/4x5-3/4x7-3/4"D. 3-3/4
1bs. Optional type 3803 Dual tone encoderdecoder plugs into G705 for private listening.

GONSET G703 Similar to G705 above except 3W DC input, 1.5W nominal power output. Size of either G705 or G703 is 2x5-3/4x7-3/4" Deep. Weight 4½ lbs.



(1940)









(1941)

HALLICRAFTERS S-20 "Sky Champion" Receiver. Similar to the S-20R except has 7 tubes plus rectifier.

HALLICRAFTERS S-20R General Coverage Receiver (1939) - .55 to 44 mc in 4 bands. 8 tubes plus rectifier; 400 ohms balanced or unbalanced antenna input; 455kc IF; internal speaker, electrical bandspread, tone control, S-meter receptacle, noise limiter, and accessory recaptacle. 117v AC. \$60.

HALLICRAFTERS S-22R Receiver (1940) - Covers 110 to 1500 Kc and 1.7 to 18.0 mc. 4-bands, 7 tubes plus rectifier, 400 ohm balanced or unbalanced antenna input; 1600 kc IF; internal speaker, electrical bandspread and tone control. 18\frac{1}{2}x8\frac{1}{2}x9\frac{1}{2}\text{"D.} For 110-125VAC. \$74.50

HALLICRAFTERS SX-24 Receiver (1939) - .54 to 43.5 mc in 4 bands. 8 tubes plus rectifier; 400 ohm balanced or unbalanced antenna input; 455 kc IF; 500 and 5000 ohm audio output to an external speaker; calibrated electrical bandspread, crystal filter, tone control, S-meter, noise limiter, accessory socket. For 100-125VAC. \$74.

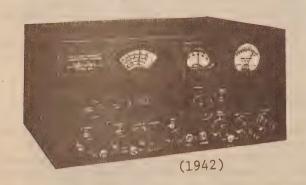
HALLICRAFTERS SX-25 Receiver (1940) - .54 to 42 mc in 4 bands. 11 tubes plus rectifier; 400 ohm balanced or unbalanced ant. input; 455 kc IF; 500 and 5000 ohm audio output to external speaker; calibrated electrical bandspread, crystal filter, tone control, S-meter, noise limiter. \$94.50

HALLICRAFTERS S-27 Receiver (1940) - 27.5 to 145 mc in 3 bands. 15 tubes, FM, AM, CW, push-pull output, ant. trimmer, S-meter, IF selectivity, BFO pitch control, Standby switch. Tone control. 19x9x14". \$195.

HALLICRAFTERS S-27B Receiver (Same as S-27 but 36 to 165mc)

HALLICRAFTERS SX-28 Receiver (1941) - .55 to 43 mc in 6-bands. 14 tubes plus rectifier, 400 ohms balanced or unbalanced antenna input; 455 kc IF; sensitivity 6 to 20 uv for 500 mw audio output; selectivity of 12 kc at 2X down in sharp position. Calibrated bandspread(electrical), crystal filter, phono input, tone control, S-meter, noise limiter, antenna trimmer, external power supply receptacle. 8 watts audio output into 500 or 5000 ohm load. For 117VAC. 20½x10x14-3/4"D. Weight 75 lbs. SX-28 \$179.50.

HALLICRAFTERS SX-28A was government version using improved parts and layout. \$233.



HALLICRAFTERS S-36 Receiver (1942) - 27.8 to 143 mc in 3 bands. 13 tubes plus voltage regulator and rectifier; 5.25 mc IF; sensitivity 2 uv at 30 mc for 50 mw audio output; AM and FM reception, adjustable selectivity, tone control, S-meter, noise limiter, antenna trimmer, external power receptacle; 3 watts audio output into 500 or 1500 ohm load; BFO pitch adjustable. Mechanical bandspread dial. for 115 or 230VAC. \$307.50.

<u>HALLICRAFTERS S-36A</u> - Government version of the S-36 (shown in the picture left).



HALLICRAFTERS S-38 Receiver (1947) - 540 kc to 32.4 Mc in 4 bands. Noise limiter, band switch, BFO, BFO pitch, spkr/phone selection switch. Headphone jacks and antenna terminals on rear of cabinet. Built-in speaker. Electrical bandspread dial. 105-120 volts AC or DC. 13x7½x8-3/4"D. Main tuning dial calibrated in Mc. \$47.50.

HALLICRAFTERS S-38A Receiver(1948) Similar to S-38. \$39.95

HALLICRAFTERS S-38B Receiver(1951) Similar to S-38. \$49.50

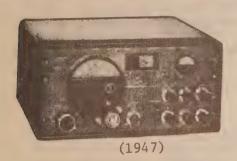
HALLICRAFTERS S-38C Receiver(1952) Similar to S-38B but with black dial with white letters for reading ease. \$49.50



HALLICRAFTERS S-40A Receiver (1946) - .54-43 Mc. Flywheel tuning, separate electrical bandspread dial, internal speaker, 9 tube superhet. Includes phone jack, external S-meter socket, 3-position tone, Adjustable pitch BFO. AVC or MVC, ANL, Standby/receive and RF sensitivity controls. 182x9x11. 33 lbs. 115VAC. \$89.50.

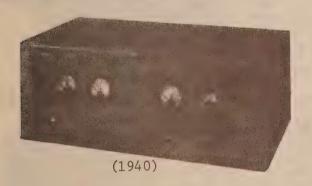
Model S-40 U Universal 110,130,150,220,250 V PS \$98.50 External S-meter SM-40 \$16, $5-3/4x4x4\frac{1}{2}$ ". 3 lbs.

HALLICRAFTERS S-40B, S-77A (above)(1950) - Covers .54-44 Mc. in 4 bands. Electrical bandspread, 1 RF, 2 IF stages. Switches for automatic noise limiter, code reception, 3-position tone control, BFO pitch control, built-in speaker. 7 tubes plus rectifier. Model S-40B for 105-125VAC \$129.95. Model S-77A Same, for 105/125V. AC/DC \$129.95.



HALLICRAFTERS SX-42 Receiver (1947) - .54 to 110 Mc. Uses "Split-stator" tuning system, dual IF Xfmrs. Receives AM, FM, CW. A discriminator and 2 limiter stages for FM reception bands 5 and 6 (27 to 110 Mcs). Phono input, 8 watts audio output essentially flat from 60 to 15,000 cycles, 500 or 5000 ohm audio output. 13 tubes plus VR and rectifier; 300 ohm balanced or un-balanced antenna input; 455 kc AM IF and 10.7 mc FM IF. Calibrated electrical bandspread, xtal filter, adjustable selectivity, tone control, S-meter, noise limiter, external power socket. Standard rack mounting cabinet supplied, less speaker. \$275. R-42 8"Spkr \$35.

Model SX-42U Same as SX-42 with Universal 110,130,150,220,250 VAC Power supply \$287.50



HALLICRAFTERS HT-9 Transmitter (1940) - 100 watts CW, 75 watts phone. 4 panel meters read cathode current of exciter or modulator, power amp. grid and power amp. plate currents. 100% mod. with low distortion. Covers 80,40 20 and 10 meter bands with stock plug-in coil set, others special order. Built in 105-125V. AC power supply. 814 tube as final. Built-in harmonic suppression. High-impedance mike input. 5 Xtal selection switch also selects proper band coils. 29 x12 x20 2". 125 lbs. Complete with tubes but less xtals and coils. \$350. 80,40,20,10 meter coil sets \$10.85+



HALLICRAFTERS HT-17 Transmitter (1947) - 10 watts CW output on 80 thru 10 meters. Uses 6V6GT xtal oscillator and 807 final. Controls: Plate Tuning, Antenna Loading, Standby, Meter Switch, 105-125VAC power on-off switch. Pilot lamp tuning indicator can be replaced by the SM-17 plate ma meter if desired. Pi-network antenna matching output final tank circuit. Plug-in coils. 13x7½x8-3/4 25 lbs. Less coil sets and xtals \$69.50. 80,40 meter coil sets \$3.50 ea; 20, 10 meters \$7. SM-17 meter \$6.50



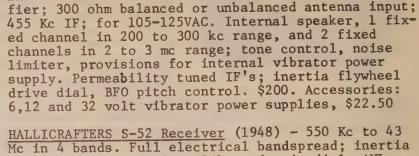
HALLICRAFTERS HT-18 Exciter (1947) - Power output 4.5 watts at 3.5 mc, 2.5 watts at 29.7 mc. Dial is directly calibrated in 7 ranges from 3.5 to 29.7 mc. Narrow Band FM available on all ranges. Built-in preamplifier for high impedance mike. Provision for oscillator keying in break=in operation. 3 xtal sockets provided for spot frequency operation. Spot freq. check of incoming signal. 6 tubes including two VR tubes plus rectifier. For 105-125VAC. 12-3/4x7x7-3/4". 25 lbs. Has Directly Calibrated Variable Master Oscillator. Complete with tubes, less xtals. \$110.

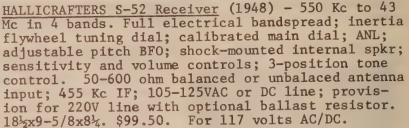


HALLICRAFTERS SX-43 AM-FM Receiver (1947) - 7 Bands, 540 Kc - 55 Mc, and FM: 44-55 Mc and 86-109 Mc. Am on all bands, CW on 4 lower bands. 10 tubes plus rectifier, 72-600 ohm balanced or unbalanced ant. input. Calibrated electrical bandspread, BFO, adjustable selectivity, xtal filter, S-meter, noise limiter. 182x9x13". 45 lbs. Less speaker, for 105-125VAC \$169.50. Model R-44 Bass-reflex speaker \$19.50. Model SX-43U for 110,130,150,220,250VAC power \$178.05.







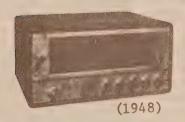


HALLICRAFTERS S-51 Receiver (1947) - 132 to 405 Kc and 485 Kc to 13 Mc in 4 bands. 9 tubes plus recti-

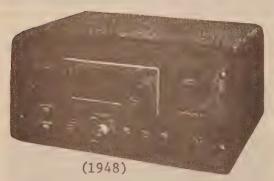


HALLICRAFTERS S-53 Receiver (1948) - 540 Kc to 54.5 Mc in 5 bands. 7 tubes plus rectifier; 50 - 600 ohm balanced or unbalanced input; Controls: main tuning, bandspread, band switch, RF gain, audio volume, tone control, noise limiter, Codephone switch, standby-receive switch, spkr-headphone switch, phone jack on rear panel. Input jack for record player. Superhet circuit, internal 5" speaker. 13x7x8". \$79.50.

Model S-53U Same except 105-250 VAC \$88.50.



HALLICRAFTERS SX-62 Receiver (1948) - 540 Kc to 109 Mc in 6 bands, includes AM, FM, SW. Slide rule dial, 500 Kc x-tal calibrator, pointer adjustment to set receiver on exact frequency; single 60 to 1 ratio tuning knob; BFO; bass and treble tone controls; phono input with 50-15,000 freq. response. 20x10\(^1\)xx16\(^1\). 105-125VAC. less spkr \$289.50 Slide rule dial has foreign SW, marine, aviation markings. Model SX-62U Same except for 105-250V AC line \$295.



HALLICRAFTERS HT-19 Transmitter (1948) - Covers 5 amateur bands 80-10 meters. Complete bandswitching; VFO all bands, plus 3 spot-frequency xtal positions; narrow band FM on all bands; FM deviation calibrated each band; premaplifier for hi impedance mikes; oscillator keyed for CW; variable output impedance from 50-600 ohms; 2 separate antenna outputs. 4-65A final amplifier. Provision for AM modulation from external modulator. 125 watts output. Air cooled fan final. 105-125AC supply built-in. 20x18x10½. \$298.



HALLICRAFTERS SX-71 Dual IF Receiver (1951) - 538 Kc to 35 Mc, and 46 to 56 Mc. Built-in limiter and balanced detector for NBFM reception. Double conversion 1 RF, 2 conversion, and 3 IF stages give high sensitivity and selectivity. 3 watts audio output. Separate main and bandspread controls; bandspread dial calibrated for 80-6 meter bands. BFO pitch, 3-position selectivity, crystal phasing, tone, AF gain controls. S-meter. Connections: external 500 ohm output for speaker, phone jack, socket for external power, remote control, doublet or single wire antenna. For 105-125 VAC. 18³2x9x12". 33 lbs. Less speaker \$199.50 R-46 10" bass-reflex speaker \$19.95.

Model SX-71U Same except for 105-250V AC line \$210.



HALLICRAFTERS S-72 Portable Receiver (1949) - .54-30 Mc in 3 bands continuous coverage. RF stage; electrical bandspread; 2 built-in antennas: loop for Broadcast band and 61" telescoping whip for shortwave. Sensitivity: 1.8 uv at 30 Mc, 6 uv at 1.7 Mc. RF gain, AVC, BFO, Main tuning slide rule dial. Phone jack. Dual power supply: 105-125V AC/DC, or Battery: 7.5V at 100 ma., and 90 V. at 30 ma. 14x12\forall x7\forall "D. 8 tubes plus rectifier. 19 1bs. \$79.95.

MODEL S-72L - Same except covers Longwave frequency 175-420 Kc, Broadcast and 2 Shortwave bands .54 to 12.5 Mc.



HALLICRAFTERS S-53A Receiver (1950) - .54 to 31 Mc, 49-54.5 Mc in 5 bands. Illuminated slide-rule dial, 2 IF stages, separate sensitivity and volume controls; bandspread tuning; noise limiter, BFO; built-in spkr; phono input jack; Speaker/Phones switch. 13x7x7-3/4"D. Hinged top. 7 tubes plus rectifier. For 115V AC. 19 1bs. \$79.95.



HALLICRAFTERS S-76 Receiver. Covers .55-1.55 Mc, 1.7-34 Mc. 4 bands. Double conversion superhet. 5-position band width selectivity 500 cycles to 5 Kc at 6db down. 1 RF, 2 conversion, 3 IF stages. BFO pitch, selectivity, volue, sensitivity controls; AVC, ANL, 3-position tone switch. Large S-meter, 3.2 or 500 ohm audio output. 18½x9x9½*D. Hinged top. 40 1bs. for 115 V AC. \$169.50 less speaker. Use R-46 speaker \$19.95. (1950)

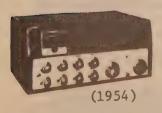
HALLICRAFTERS S-77, S-77A Receivers (See S-40B: Same except for 115 V. AC-DC. \$99.95)



HALLICRAFTERS SX-73 Receiver (1952) - .54 to 54 Mc in 6-turret selected bands. 50-200 ohm balanced or unbalanced atenna
input; Dual conversion with 455 kc and 6.0 mc IF's; Sensitivity 2 uv for 10db S/N ratio; selectivity adjustable from .4 kc
at 6db down to 14 kc at 6db down. 2 watts audio output into
500 ohm load for 2 uv RF input. Provision for 6 xtal controlled
channels, provision for external BFO; has xtal filter, S-meter,
audio amplifier input jack. 17 tubes plus voltage regulator.
For 95-260V. AC. 19x10½x18½"D. 58 lbs. For rack mounting.
Military type R-274/FRR. \$975. 6000 degrees band spread/range.
Has main dial scale and vernier logging scale w/gear train.



HALLICRAFTERS HT-20 Transmitter (1953) - TVI proofed 100 watt AM-CW transmitter. Built-in low pass filter provides 100 db suppression above 30 Mc. Continuous from 1.79-30 Mc. Full bandswitching, choice of 10 crystals. All stages metered from single meter with 8-position meter switch; output tuning indication. 7 tubes plus 5 rectifiers. 20x12½x17½, panel 19x10½ for rack mounting. For 105/125 VAC w/heavy duty Power supply built in. 125 lbs. \$449.50. All controls on front panel.



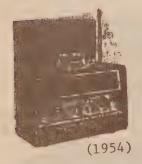
HALLICRAFTERS HT-30 Transmitter/Exciter (1954) - SSB, AM, CW. Full bandswitching 80,40,20 and 10 meters. Built-in stable V FO. 100:1 ratio gear drive system. Full metering by front panel switch. 35 watts peak output. Unwanted sideband 40db down. Provision for coaxial output fitting. 16 tubes plus VR and rectifier. 105-125VAC power supply built in. Piano hinged top cabinet 18½x13x9". 51 lbs. Selectable USB/LSB. \$349.95.

















HALLICRAFTERS S-38D Receiver (1954) - Covers Broadcast band 540-1650 Kc and 3 shortwave bands 1650 Kc - 32 Mc. Communications type controls for accurate tuning. Separate tuning control. Slide rule band calibrated dial. Headphone tip jacks on rear. Built-in PM speaker. BFO for CW signals. 4 tubes plus rectifier. Large easy to ready dial. Size: 13x7x7½ND. for 105-125V AC-DC. 13 1bs. \$49.95.

HALLICRAFTERS SX-62A Receiver (1954) - .54 - 110 Mc on AM; 27 to 110 Mc on FM. 500 Kc crystal calibrator built-in. 6 bands. Extra large slide rule dial with scale in use illuminated. High sensitivity and S/N ratio. 6-step crystal filter selectivity. 2RF, 3 IF stages; dual IF channels (455 Kc and 10.7 Mc). ANL, 4-position tone, RF gain. Doublet or single wire antenna. Audio outputs of 3.2,8, and 500 ohms. Phone jack. Phono input jack. 14 tubes plus VR and rectifier. 20x104x164°D. For 105-125VAC. 70 lbs. Less speaker. \$349.95

HALLICRAFTERS S-85 Receiver (1954) - 80-10 meters calibrated on large easy-to-read dial. Separate bandspread tuning condenser. Broadcast band and 3 shortwave bands. Tuned RF, 2 IF stages. Controls: Sensitivity, volume, 3-position tone, BFO pitch, AVC, noise limiter, receive/stamdby. Built-in speaker. 7 tubes plus rectifier. Hinged top. 18½x9x10"D. 36 lbs. For 105-125VAC. Temperature compensated oscillator. \$119.95.

MODEL S-86 Receiver - Same except for 105/125V AC-DC. \$119.95

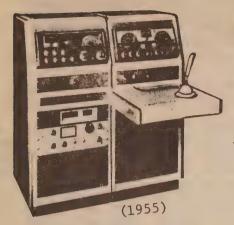
HALLICRAFTERS SX-88 Receiver (1954) - 535 Kc to 33.3 Mc. Calibrated electrical bandspread on all amateur bands. Amplified and dealyed AVC. Built-in 100 Kc calibrator crystal. Double conversion, second oscillator xtal controlled. Dual S-meter calibration in S units and microvolts. 52-600 ohms antenna input. Speaker output: 3.2/8500-600 ohms. 2 RF stages 17 tubes plus VR, ballast tube and rectifier. For 115V AC. 85 lbs. Exalted BFO for excellent SSB reception. 6-position bandwidth selectvitiy control. Standard 8-3/4x19" panel for rack mounting if desired. Less speaker. \$595. R-46A Spkr \$20.

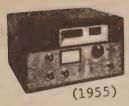
HALLICRAFTERS S-93 Portable Receiver (1954) - 4-band, 3-way portable covers 170 to 400 Kc; 540 to 1600 Kc Broadcast band; 2 to 6 Mc, and 6 to 18 Mc. Loop ant. on broadcast and long wave, telescoping whip on shortwave. BFO, standby switch. World call zone map on lid. For 105-125 VAC. 16½x10½x7½". Uses 6 tubes. 19 lbs. \$99.95. Can operate on battery, use Everready 557 or Burgess F6A60P battery.

HALLICRAFTERS SX-96 SSB Receiver (1954) - Stability through temperature compensated HF oscillator and xtal controlled 2nd conversion oscillators. Precision gear drive dial on both main and bandspread dials. Covers 538-1580 Kc and 1720 Kc to 34 Mc on 4 ranges of main dial; 80,40,20, 10 meter amateur bands on calibrated bandspread dial. Highly selective 50 Kc IF. Selectable USB/LSB. S-meter, AVC, noise limiter, BFO pitch, phone jack. For 105-125VAC. 18½x8½x10½"D. 45 lbs. Hinged top. Less speaker. \$249.95. R-46A speaker \$19.95.

HALLICRAFTERS SX-99 Receiver (1954) - 540-1680 Kc, plus 3 shortwave bands 1.6-34 Mc. Calibrated for 10-80 meters on large bandspread dial which has separate bandspread tuning condenser. Calibrated electrical bandspread. S-meter. 1 RF, 2 IF stages. Crystal filter. Antenna trimmer. 3.2 and 500 ohm audio output. Headphone jack. 3-position tone control. ANL control. Sensitivity control. Volume, code BFO pitch control. 7 tubes plus rectifier. For 105-125VAC. 18½x8½x11"D. 36 1bs. Hinged top. Less speaker \$149.95. R-46A spkr \$19.95.

HALLICRAFTERS SX-100 Receiver (1955) - Covers 538 Kc to 34 Mc in 4 bands. Double conversion, 50.5 and 1650 Kc IF; adjustable selectivity from .5 to 5 kc at 6db down; 3.2 or 500 ohms audio output. Calibrated electrical bandspread, selectable sideband reception. antenna trimmer, T notch filter,100Kc Xtal Calibrator, S-meter, ANL, AVC, precision gear drive dial system. 18½x8½x10-5/8". 43 lbs. For 105-125VAC. \$295 less Spkr.





HALLICRAFTERS HT-31 Linear Amplifier (1955) - Full Bandswitching 3.4 to 30 Mc. 500 watts peak power input with 10 watts drive. 2 - 811A Zero bias triodes in parallel. Pi-network output matches 50-600 ohm loads. High harmonic and TVI suppression. Full metering. P.S. built in. 20x124x174. \$395.

HALLICRAFTERS SR-500 Console Station (1955) - Console Station includes the HT-30, HT-31 and SX-100 units, built into a desk-type cabinet. Easy to operate. \$1495. Includes built in speaker and control panels plus room for installation of additional equipment.



HALLICRAFTERS SX-101 Receiver (1956) - 7 Ham bands on large slide rule dial 160-10 plus 10 Mc WWV spot. Dual conversion, USB/LSB selection, T-notch filter; 50:1 tuning knob ratio; 100 kc marker xtal built in; illuminated dual scale S-meter which functions with AVC off. 5 steps selectivity .5to5 Kc. 52 ohm ant. input. Direct coupled series noise limiter. 14 tubes plus VR and rectifier. Sensitivity: 1 uv or less all bands. 20x10½x16". 74 lbs. For 105-125VAC. Less spkr. \$395.



HALLICRAFTERS S-102 2-Meter Receiver (1956) - Covers 143-149 Mc. Useful to Novice, Technician, CAP. 7 tubes plus rectifier; built in 5" spkr; high sensitivity, low drift, compact design. ANL. Coax or twin lead. Single band design. For 117VAC. \$59.95

Model S-106 Same except 6-meters 49-55 Mc. \$59.95.



HALLICRAFTERS TW-1000 3-Way Portable Receiver (1956) - Covers 180 Kc to 18 Mc with turret band-change mechanism. 8 bands; RF stage; AC, DC, or self-contained batteries; 3 antennas: ferrite loop, 64" whip, "Skyrider" window ant.; slide-rule dial with band-in-use indicator; tone control; dynamic turret tuner. Built in spkr. 17x10-3/4x7½". \$149.95. Eveready 752, RCA VSO47 batteries can be used.



HALLICRAFTERS HT-32 Transmitter (1957) - SSB, AM or CW output on 80-10 meters. 144 watts peak power input; high stability gear driven VFO; Complete bandswitching; C.T.O direct reading in kilocycles; TVI suppressed. 5 Mc quartz filter cuts unwanted sideband 50db; Bridged T modulator provides carrier suppression of 50db. 52 ohm pi-network output. CW break-in operation. For 117VAC. 20x16x10½"H. 85 lbs. \$675.



HALLICRAFTERS HT-33 Linear KW Amplifier (1957) - Uses ceramic power tubes (2 - 4CX300A operating ABI). 1000 watts SSB and CW power input, 700 watts AM; Power output: 625 watts PEP/SSB, CW 575 watts, AM 285 carrier with DSB. Drive power: SSB 8 watts, CW 6.5 watts, AM 6 watts. Operates 80-10 meters. Pi-network output for high harmonic suppression. Full metering. Relay rack panel mounting if desired. Quiet low speed blower. 52 ohm co-axial output. For 117VAC. 12½x20x16". 125 lbs. \$775. TVI'd.



Model HT-33A Linear Amplifier (1958) - Similar to the HT-33 above but with extra heavy duty power supply, better cooling and 1 - PL 172 High Power Pentode RF amplifier. \$795.



HALLICRAFTERS S-38E Receiver (1958) - Redesigned version of S-38 series. Recessed dial scale, convenient placement of controls. .54-32 Mc in 4 ranges. Separate electrical bandspread dial with 0-100 scale. Built-in 5" spkr; headphone tip jacks, large slide-rule dial with 4 separate scales; efficient superhet circuit 4 tubes plus rectifier, 117 V AC-DC operation; BFO for CW reception. 13x7x9½". 14 lbs. \$54.95 Also available in Furniture Finishes: S-38EM Mahogany; S-38EB Blonde. \$59.95.

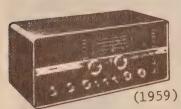


HALLICRAFTERS SX-101 Mark III (1958) - 7 Ham bands 160-10 M.Rcvr. plus 10mc WWV spot. Large slide rule dial. IIluminated S-meter-w/dual scale, functions with AVC off. Dual conversion, USB/LSB selection, 2nd conversion oscillator xtal controlled. T-notch filter. 40:1 tuning ratio. 5 step selectivity .5-5 Kc. Direct coupled noise series limiter. 52 antenna ohm input. 13 tubes pls VR and rectifier. 20x10½x16". For 117VAC. 74 1bs. Less speaker. \$395. R-47 Matching Speaker \$12.95.

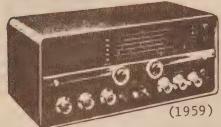
HALLICRAFTERS SX-101A (1959) - Similar to the SX-101 Mark III Receiver above but covers only 80-10 meters plus a dial scale for 6 & 2 meters when used with the proper converters. \$399.50 less speaker. R-47 matching speaker \$12.95.



HALLICRAFTERS S-107 Receiver (1959) - 540 - 1630 Kc; 2.51 - 31 Mc; 48-54 Mc; 5 bands. 7 tubes plus rectifier; 52-600 ohm balanced or unbalanced antenna input; 455 Kc IF. For 105-125V. AC. Internal speaker, electrical bandspread, noise limiter, external audio amplifier jack. 13½x7x8¼. 25 1bs. \$94.95.



HALLICRAFTERS S-108 Receiver (1959) - Covers .54-34 Mc in 4 bands. Slide rule dial bandspread calibrated on 10-80 ham bands. 1 RF, 2 IF and separate bandspread tuning condensers. Built in speaker. AVC, noise limiter, BFO pitch control, 7 tubes plus rectifier, for 105-125VAC. Headphone jack. Terminals for single or doublet ant. 18-3/4x8x104. 32 1bs. \$130.



HALLICRAFTERS SX-110 Receiver (1959): .54-34 Mc in 4 bands. Bandspread dial calibrated for 80-10 meters. S-meter; Xtal filter; RF stage, 2 IF stages; 3.2 & 500 ohm audio output; BFO pitch control; ANL; 3-position tone control. 7 tubes plus rectifier. For 105-125VAC. 8½x18-3/4x11". Less speaker \$159.95. Use R-47 or R-48 external speakers \$12.95, \$19.95.



HALLICRAFTERS SX-111 Receiver (1959) - 6-Bands 3.5-4; 7-7.3, 14-14.4, 21-21.5, 28-29.7 mc; and 10mc WWV. 12 tubes plus VR and rectifier; 50-70 ohms unbalanced antenna input; 50.75 and 1650kc IF; sensitivity 1 uv for 10db S/N ratio; adjustable selectivity from .5 to 5KC at 6db down; 3.2 or 500 ohm audio output. For 105-125VAC. Dual conversion, selectable sideband, product detector for CW/SSB reception, notch filter, calibration oscillator 100 kc, S-meter, noise limiter, receiver muting terminals. 18-3/4x8-3/4x104. 36 lbs. less speaker \$279.50.



HALLICRAFTERS HT-32A Transmitter (1960) - SSB, AM or CW on 80-10 meters. 5 mc quartz crystal filter cuts unwanted side-band 50 db. Bridged-T modulator makes the HT-32A very stable. 144 PEP/SSB input. Precision gear drive C.T.O. CW break-in operation. USB/LSB selection. 19 tubes. 20x10½x16". 85 lbs. VOX and PTT; RTTY and phone patch inputs. 117VAC. \$695.



HALLICRAFTERS HT-37 Transmitter (1960) - SSB, AM, CW 80-10 meters. 144 watts PEP/SSB input. 5-Bands. Precision VFO. 52 ohm pi-network output. Dual range meter for tuning and carrier level adjustment. VOX control built in. Sideband suppression of 40db. 2 - 6146's final. Carrier suppression 40db or better. For 105-125VAC. 9½x18½x16-3/4". 80 lbs. \$450. Instant CW calibration.



HALLICRAFTERS HT-32B Transmitter (1961). SSB, AM, CW on 80-10 meters. New CTO permits reading frequency direct within 1 Kc. Hermetically sealed high freq. xtal filter; 144 watts PEP-SSB input. Keying circuit for RTTY. 52 ohm pi-network output. CW break-in, VOX, PTT, headphone monitor jack, phone patch input built in. Gear driven WFO. 20x10½x17"D. 85 lbs. \$725.



HALLICRAFTERS HT-33B KW Linear Amplifier (1961). Maximum legal input, extra heavy-duty components, Separate meter for cathode current. Variable output loading. Circuit breaker. Pinetwork for harmonic suppression. Passive grid circuit, 50-75 ohms input. 80 thru 10 meter amateur bands. 1 - PL-172 Amp. 1000 watts plate dissapation. 12x20x16". For 117VAC. 145#.\$995.



HALLICRAFTERS HT-40 Transmitter (1961). 75 watts input, output is 35 watts CW, 30 watts peak AM phone. 80-6M. 6DQ5 final. For 117VAC. Xtal controlled. Built in modulator and power supply. Match for SX-140 receiver. 13\frac{1}{2}x8x6\frac{1}{2}. 19 lbs. Wired \$109.95. HT-40K Kit form \$89.95.



HALLICRAFTERS HT-41 Linear Amplifier (1961). Companion to the HT-37 Xmtr. 80-10 meters, 2 7094 finals, built in power supply. Grounded Grid Class B. 20 to 100 watts SSB input drive. Power input: SSB-CW 1000 watts thru 20 m., slightly less higher bands. 450 watts AM phone input. Adjustable pi-network output. Builtin RF output meter, all important circuits metered. Hi/Lo drive adjustment. 19½x9x15½. \$395.



HALLICRAFTERS SX-112 General Coverage Receiver (1961). 535 Kc to 1580 Kc, and 1720 Kc to 34 Mc in 6 bands. Illuminated dial scale for the band in use, plus a separate scale for each amateur band. T-notch filter, product detector for SSB and CW. 100 Kc quartz filter. Precision drive dial system. 1.5 watts audio output 3.2/500 ohms. 5 steps selectivity .5 to 5 Kc. 14 tubes, 2 silicon rectifiers. S-meter, phone jack. Less speaker. $20 \times 10^{1} \text{g} \times 10^{1} \text{g}$. 75 lbs. \$595.



HALLICRAFTERS SX-115 Triple Conversion Receiver (1961). Front end uses band-pass couplers giving 4 tumed circuit selectivity. Covers 80-10 meters plus 10mc WWV/WWVH. Linear tuming, 1 Kc calibration marks. VFO with temp compensation. Back-lash free gear driven tuning mechanism. 100 kc calibrator. Xtal controlled 1st and 3rd conversion oscillators. Selectable side bands. Variable selectivity .5 to 5Kc in 5 steps. Amplified AVC. Product detector SSB, CW - envelope detector AM. IF type noise limiter for SSB/CW, automatic threshold series type for AM. T-notch filter. 16x10½x16½"D. 44 lbs. Less speaker \$595. 117VAC.



HALLICRAFTERS S-118 Receiver (1961). General coverage with extended low frequency range. 5 bands: 185-420Kc; 495-1620 Kc; 1.6-31 Mc. Electrical bandspread with slide rul dials, noise limiter, BFO, phono input, headphone jack, loopstick antenna for bands 1 and 2, built in speaker. For 117VAC. 14½x5-3/4x8½". 5 tubes plus 2 silicon rectifiers; 455kc IF. \$99.95.



HALLICRAFTERS S-119 "Sky Buddy"/Receiver (1961). Has 3 bands: 535-1620 Kc, 2-5.5 Mc, 6-16 Mc. Superhet, 3 tubes plus diode. Receives voice or code signals. Built-in loudspeaker, provision for headphones. 117VAC transformer operated. Separate diode detector. Planetary drive for easy tuning. 10½x5x7½"D. 10 lbs. Wired \$49.95. S-119K Kit form \$39.95.



HALLICRAFTERS S-120 Receiver (1961). .54 to 31 Mc in 4 bands. Bandspread, 3-way antenna system: ferrite loop, 45" whip, long wire. Built in speaker, phone jack. Slide rule dial. 4 tubes + rectifier. For 117VAC or DC. 12 1bs. 13½x6x8-3/4"D. \$69.95.



HALLICRAFTERS SX-140 Receiver (1961). 6 Amateur bands 80-6 M. SSB, AM, CW reception. S-meter, ANL, Selectivity, BFO, Xtal calibrator, electrical calibration reset, phone jack, antenna trimmer, regenerative IF 1650 Kc, 13\frac{1}{2}x7\frac{1}{4}x8\frac{1}{4}\text{"D. }13\frac{1}{2}\$ lbs. For 117VAC. 3.2 ohm audio. Wired \$139.95. SX-140K Kit form \$114.95.



HALLICRAFTERS SX-117 Receiver (1962). Triple conversion 80-10 meters, xtal controlled high freq. oscillator. Transmitter type VFO; xtal controlled 1st and 3rd conversion oscillators. Backlash free tuning mechanism. Selectable sidebands. Sensitivity 1 uv. 3 step selectivity .5 to 5 Kc. Product detector for SSB/CW, envelope detector for AM. IF type noise limiter. Range extandable down to 150 Kc with proper xtal(not supplied). T-notch filter. 100 Kc xtal calibrator. 15x7\darkappax13\darkappax13\darkappax10. 21 lbs. \$379.95.



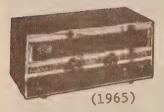
HALLICRAFTERS SX-122 Receiver (1963). Dual conversion .538-34 Mcs. Xtal controlled 2nd conversion oscillators. 50kc selective IF system. Selectable sideband. Antenna trimmer, amplified AVC, product detector for SSB/CW, envelope detector for AM. Series noise limiter, S-meter. Phone jacks. 3-step selectivity .5 to 5 kc. For 117VAC. \$295. Model HA-7 100kc Xtal Cal. \$19.95.



HALLICRAFTERS HT-44 Transmitter (1963). SSB, AM, CW on 80-10M. AC or DC power may be used(not included). Slave or independent frequency control. 200 watts SB/CW input. USB/LSB selectable. Break in CW. 500 kc freq. coverage of VFO dial. Carrier suppression 50db, unwanted sideband suppression 30db. 5 kc dial calibration. Full VOX and PTT. Cal level adjustment, cal reset adjustment. A.A.L.C. CW/VOX delay control. Meter indicates RF output. 15x7\(\frac{1}{2}x13\)"D. Less power \$379.50. Model PS-150-120AC P. S. \$99.50; Model PS-150-12DC P.S. \$109.50.



employing a 3-400Z high-mu triode in grounded grid-cathode driven circuit. 40 watts of drive plus 3000 volts input will provide legal limit on SSB and CW. 5 band coverage 80-10 meter ranges. Metering: plate voltage, plate current, grid current, relative RF output. 15x74x13 D. Less power. \$299.50. Model P-45AC Power Supply (3000 volts @350ma.) \$199.50.



HALLICRAFTERS S-129 Receiver (1965). 533 Kc to 1600 Kc, and 1.7-34 Mc. 4 bands General coverage receiver. SSB,AM,CW reception. Bandspread tuning capacitor, antenna trimmer, 1 RF 2 IF stages, noise limiter, tone control, 2 watt 3.2 ohm audio output, 7 tubes plus silicon rectifier. Bandspread dial has logging scale plus calibration for 80-10 meter amateur bands. 19x8x9-3/4"D. 25 lbs. for 117VAC. Less Spkr. 50-600 ohm antenna input bal. or unbalanced. \$164.95.

HALLICRAFTERS SX-130 Receiver (1965) Same as S-129 above plus S-meter, Crystal filter, and a separate product detector for SSB/CW reception. Less spkr, \$179.95.



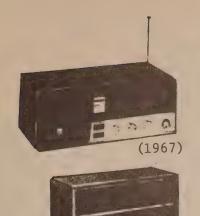
HALLICRAFTERS \$200 Receiver (1965). Covers 550-1600 Kc plus 4 shortwave bands: 5.9-6.25; 9.45-9.8; 11.65-12.05; 15.05-15.55 Mc. Slide rule dial, 2 antennas, built-in speaker, headphone jack. 4 tubes. For 117VAC. 13½x6x8-3/4"D. \$59.95



HALLICRAFTERS SX-146 Receiver (1965). (THE HIGHLY STABLE OSCILLATOR CHAIN MAY BE USED FOR TRANSCEIVE OPERATION WITH THE MATCHING HT-46 TRANSMITTER). Single conversion to a high frequency xtal filter. 2.1 kc bandwidth standard, .5 & 25 Kc optional. Amatuer bands 80-10 meters. 9 tubes, 3 diodes. S-meter, noise limiter, 3.2 ohm audio output. AVC, optional 100 kc calibrator plug-in. Sensitivity: 1 uv for 20 db S/N. IF SElectvitity:nose-to-skirt ratio 1:1.8 thru use of a 6-pole xtal filter. Product detector SSB/CW, separate AM detector. 6x11x13\frac{1}{4}. 20 lbs. less spker. \$249.95.



HALLICRAFTERS HT-46 Transmitter (1965). SSB-CW 175 watts PEP/SSB input, 150 watts on CW. 5 band 80-10 meters. Self-contained 115VAC Power supply. Internal VFO, or can be used transceive w/SX-146. 9Mc Xtal filter SSB generation, selectable sideband. Grid block keying for CW; PTT, or optional plug-in VOX. Meter shows final plate current, relative RF output. 6x11x134. 6HF5 Final. \$295.



HALLICRAFTERS S-240 Solid State Receiver (1967). AM/FM/CW/SSB. Built-in speaker and shortwave antenna. Covers 2 to 30 mHz plus standard AM and FM Broadcast Bands. Transformer AC operated; BFO; tuning meter, fine tune, AFC and 1000 mw audio output. Tuner output jack for Hi-Fi use. Provision for external speaker or headphones. 11 transistors, 6 diodes; AGC control. 5-bands (3 Shortwave). 6x14x8". 10 lbs. \$109.95

HALLICRAFTERS S-120A "Star Quest" Receiver (1967). All Transistor 4 Band receiver. .54-31 mHz. Main tuning and electrical bandspread, large slide rule dial. BFO, AGC, internal speaker. Receives AM, CW, SSB. Provision for external speaker or headphone. Dual antennas and provision for external antenna. 12x5½x5"D. 8 lbs. Will operate 117V AC or off of 12V battery power. \$59.95.



(1967)

HALLICRAFTERS SX-133 General Coverage Receiver (1967). AM-SSB-CW reception. Tunes 535 kHz to 31.5 mHz. Calibrated Bandspread 80-10 meter bands. 7 tube receiver, crystal filter, S-meter, antenna trimmer, RF amplifier, 2 IF stages, ANL, product detector for USB/LSB reception. 2 watts audio output for external 3-4 ohm spkr. General coverage slide rule tuning dial is calibrated in megacycles and has 0-100 logging scale. Bandspread dial (at left) includes amateur and CB coverage. Phasing control for crystal filter gives pin-point selectivity. Stable circuit holds sidebands, CW in tune. 19x9-3/4x8"H. For 115VAC. 25 lbs. Less spkr. \$249.50



HALLICRAFTERS SX-122A Receiver (1967). 4-Bands .538-34 MHz. 538 to 1580 KHz, 1720 KHz to 34 MHz in 3 SW bands. Electrical Bandspread 80-10 meters. Features temperature compensated HF oscillator circuits, 50 kHz selective IF system, 3 selectivity ranges .5-5 KHz at 6db down. AVC, series noise limiter, product detector for USB/LSB and CW, envelope detector for AM. Antenna trimmer, S-meter. Dual conversion on all bands. 3.2 ohm output for external speaker. 18-3/4x8x 9-3/4"D. For 110/220 VAC. 29 lbs. Less spker \$395. R-50 matching spkr \$22.50. HA19 100kHz plug-in Crystal Calibrator \$19.95.

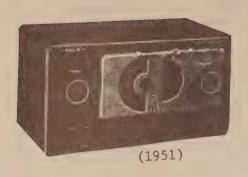


HALLICRAFTERS CRX-106 "Portamon" Monitor Receiver (1968). Tuneable 27-50 MHz. Fully transistorized. RF stage. Noise limiter. Squelch control. Operates on 9 volt battery. Provision for external antenna, earphone, and AC adapter. (Collapsible whip antenna and spkr built in). With carrying strap. 2-3/4x6x1-5/8". \$39.95.

Model CRX-107 "Portamon" Tuneable 144-174 MHz. Same physical specifications as the CRX-106. \$39.95.



HALLICRAFTERS WR-600 Receiver (1967). 4-Bands cover 550-1600 Kc Broadcast Band and 1.6 to 30 Mc. Large slide-rule dial is labeled with countries names for SWL identification. Receiver has stand-by switch, BFO, built-in speaker, 2 built-in antennas, headphones output. 13½x5½x7-3/4". 12 lbs. For 115v 60 cy. AC. \$69.95. Slide-rule dial is illuminated and electrical bandspread for razor-sharp tuning and station separation.



HALLICRAFTERS SR-75 Transceiver - a small CW transceiver for the novice class, or an exciter unit.

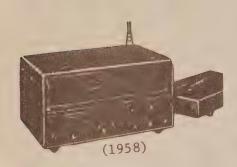
Receives on 540 through 32 Mc, transmits on 10, 11, 20, 40, or 80 meter bands. 10 watts input to final.

Receiver similar to the S-38B. Has bandspread tuning, speaker/phones switch, BFO switch, Rec./Standby switch; 4 tubes plus rectifier. Transmitter is xtal oscillator plus output tube of the receiver.

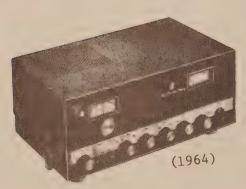
Oscillator keying thru relay so completely isolated. Xmtr controls on rear: tuning coupling adjustment, doubler coil switch (10 meters) and adjustment, power switch with interlock, phone tip jacks socket for tuning meter or tuning bulb, and for key. 13x 7x8"D. 5 tubes plus regulators. For 115 VAC. Shipping weight 20 lbs. Less crystals. \$89.50.



HALLICRAFTERS FPM-200 Transistorized Transceiver - 80-10 Meters, SSB, CW, AM; 150 watts input PEP-SSB; VOX, DC power supply built in; two separate PTO's for bilateral operation. Tubes used only in driver and final (6146's). 16x5x11"D, 25 lbs. \$265.



HALLICRAFTERS SR-34 2 and 6 Meter Transmitter-Receiver Station in one unit. Fixed, portable, or mobile operation, built-in 115VAC, 6 or 12VDC transistor power supply. Receiver is dual conversion, xtal controlled 2nd oscillator. Separate RF and oscillator sections for each band. S-meter, BFO, ANL, squelch. Sensitivity luv for 10db S/N ratio on 2 and 6 mtrs. Transmitter is xtal controlled, up to 4 xtals may be switch selected. May be "crossbanded". Output: 6-7½ watts on 2, 7-10 watts on 6. Built-in speaker and collapsible antenna. 8½x15x13½, shpg wt 33 lbs. \$495. MODEL SR-34 AC ONLY - Includes all features of SR-34 above less cabinet cover and ant. and operates 110-120 VAC only. Shpg wt. 32 lbs. \$395.



HALLICRAFTERS Model SR-42A 2-Meter Transceiver and Model SR-46A 6-Meter Transceiver. Fixed station or mobile, built-in 117VAC and 12VDC power supply. Has provision for 4 transmit xtals or may be operated with an external VFO. Jack for PTT mike, handy freq. spot switch. Receiver is dual conversion, xtal controlled 2nd oscillator, nuvistor RF amplifier, ANL, S-meter, zener diode regulated HF oscillator, built-in squelch. Transmitter power input 10-12 watts. 5½x12x8¼, shpg wt17. Has built-in spkr. Model SR-42A for 2-meters \$219.95. Model SR-46A for 6M. \$199.95. ACCESSORIES FOR EITHER: HA-26 Deluxe VFO \$59.95; MR-40 Mobile Mounting Kit \$12.95.



(1962)

HALLICRAFTERS Model SR-150 Transceiver - Fixed or mobile operation on 80, 40, 20, 15 and 10 meters. SSB and CW (manual or automatic break-in CW). PTT or VOX. Power input 125 Watts PEP SSB, 100 Watts CW. Pi-network, built-in 100 Kc calibrator. VFO tumes 500 Kc. Receiver: less than 1 uv sensitivity, 6db 2.8 Kc, 60db 5.9 Kc. ALC, receiver offset Control permits RIT 1 Kc adjust of rcvr freq. for net operation. 6 x15x13"D, weight 18 lbs. Model SR-150 \$650 less power. ACCESSORIES: PS-150-120AC Power supply \$99.50; PS-150-12DC Power supply \$109.50 Model MR-150 Mounting Rack \$39.95.

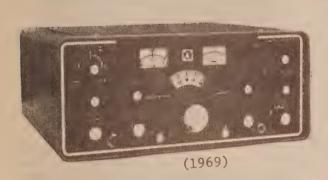


HALLICRAFTERS Model SR-160 Transceiver - Fixed or mobile operation on 80, 40 and 20 meter SSB or CW. Includes R.I.T. control in the receiver, AALC, 150 Watt PEP input; quartz crystal filter for receiver and xmtr. Carrier rejection -50db or better. Unwanted sideband rejection -50db or better. VOX accessory available. Built-in 100 Kc Xtal calibrator. 13x6½x11"D. Less power supply \$395. PS-150-120AC P/S \$99.50. PS150-12DC \$109.50

(1963)



(1965)



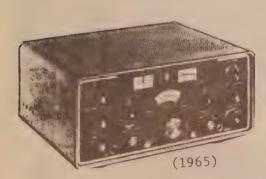
HALLICRAFTERS SR-400 "Cyclone" Transceiver - 80-10 Meter SSB/CW; power input 400 Watts PEP SSB, 360 Watts CW; built-in VFO, VOX, PTT, 100 Kc xtal calibrator, xtal lattice filter, USB, LSB selection, CW and T notch filters, keyed CW sidetone, noise blanker, 19 tubes, VR tube and 21 diodes. Variable pi-network. Receiver sensitivity 1 uv for 20db S/N. Receiver can be tune 3 kHz either side of xmtr frequency without disturbing xmtr tuning. Noise blanker. Size: 6½x15x13"D. Weight approx. 26 lbs. Less power supply. \$799.95. PS-500A-AC supply/Spkr (29 lbs) \$119.95. PS-500-DC Supply (10 lbs) \$159.95. HA-20 separate VFO \$199.95

HALLICRAFTERS SR-400A "Cyclone III" - 80-10
Meters SSB/CW, 550 Watts PEP, an increase in
power input over the SR-400 Cyclone brought
about with a Hallicrafter engineered Power
Amplifier tube balancing adjustment. It provides matching and peaking of tube gain for
continuous maximum power output. Improved reliability and higher power levels through
optional HA-60 cooling fan for Power Amplifier. Sr-400A also has semi-break in CW, Cal.,
RIT, AALC, VOX, USB/LSB, 1 KHz readout, AGC
attack, Carrier balance, CW side tone, notch
filter, VOX or PTT tranmit control, receiver
incremental tuning and provision for dual VFO.
19 tubes, 22 diodes. Size 7-3/4x16½x15". Wt.
26 lbs. Less power supply, \$895. Full 5
band coverage is expandable for MARS. Full
175 Watt RTTY or SSTV continuous duty. AC

Power Supply/Speaker 110/220VAC 50/60 cy., solid state, 22 lb. \$129.95. Mobile 12V. DC solid state mobile compact power supply \$159.95. Mounting Rack MR-400 \$89.95. HA-60 Blower Kit, whisper quiet, 6.4 CFM rating, \$39.95; HA-20 VFO SWR meter \$199.95.



HALLICRAFTERS SR-500 "Tornado" 3 Band Transceiver 80-40-20 meter bands, 500 Watts PEP input. Crystal filter for SSB generation and receiver selectivity. Features: Receiver Incremental Tuming(RIT), AALC; -50db carrier suppression; -50db unwanted sideband suppression; -30db suppression of unwanted 3rd and 5th order distortion products; built in opt. calibrator; combination S-meter/RF output indicator; VFO stable to 300 Hz after warmup. Size 13x 6-3/8x11". Wt. 13½ lbs. Less power supply. Use P500AC 115VAC \$149.95 or P500DC 12VDC battery power supply \$149.95. HA16 VOX Accessory \$37.95, MR-160 Mobile Mount kit including interconnecting cables \$14.95. Price of SR-500 Tornado is \$395.

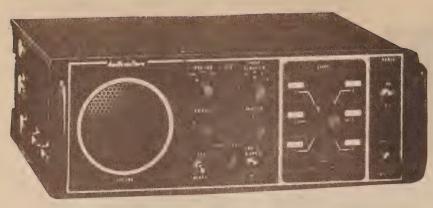


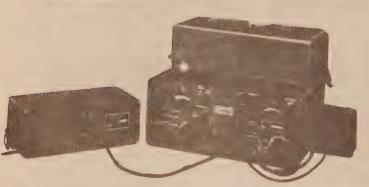
HALLICRAFTERS SR-750 "Cyclone" 5 Band Transceiver 80 to 10 Meters, 750 Watts PEP input SSB/CW. Features: linear VFO with readout of better than 1 Kc; built-in, adjustable I.F. noise blanker; R.I.T. (receiver off-set tuning); AALC for talk power; selectable sideband operation; built in VOX and PTT; crystal filter for SSB generation and receiver selectivity; improved spurious signal reduction. Size: 6½x15x10"D. Less power supply \$695. Use P750AC supply \$129.95.



HALLICRAFTERS SR-2000 "Hurricane" 5 Band Transceiver 80 to 10 Meters. 2000 Watts input PEP-SSB, 1000 Watts input CW. Linear gear-drive VFO has readout to less than 1 KHz. AALC gives peak compression and talk power. Receiver has adjustable noise blanker, incremental tuning, sensitivity of better than luv for 20db S/N. Built-in VOX, PTT; break-in CW; selectable sideband. Pi-network, RF output and S-meters. Compact 10-5/8x 7½x15½. Wt. 30 lbs. Less power supply/speaker \$1095. P-2000-AC Power Supply/Speaker for 110/120 AC \$450. HA-20 VFO/SWR meter for separate freq.T & R \$199.95

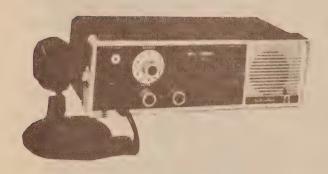
(1965)





HALLICRAFTERS SBT-100 Mobile/Base 100 Watt SSB Transceiver. 100 Wat PEP output. Covers 2-18 MHz in 6 high stability oven crystal controlled channels. Choice of: USB, LSB, CW/external FSK. Built-in universal power supply-13.4 VDC, 117/234 VAC 50/60 Hz; speech processing; noise blanker; VOX; voice clarifier; AGC; ALC; speaker; power and RFO indicators; squelch; spkr muting; high stability ovens standard. Small: 14½x14x5½. Wt. 28 lbs. All solid state except P.A. section.

HALLICRAFTERS TR-9 AM-Transceiver - Solid state all-environment transceiver for manpack, portable, mobile or base station operation. Covers 2-12 MHz in 3 bands. 6 crystal-controlled transmit channels. 10 Watts AM or CW output. FET variable freq. oscillator frequency control. Compact lightweight, general coverage receiver/transmitter. Features modular construction, quick disconnect to make field servicing easier. Operates from 12 VDC power source (AC power supply for base station operation available)



HALLICRAFTERS PC-230 "Porta Command" 30 W. FM 2-Way Radio. Covers 132-174 MHz, narrow or wide band. Up to 12 channels, high power performance aross 1 MHz with no power loss; sensitivity degradation less than 3db. All solid state. Expoxy glass main circuit board with plated through contacts. 30 Watts output from 13.8 VDC nominal, current drain 5.5 amps transmit, 15 ma receive. Base operation with PT-200AC 117/220VAC supply; Portable Manpack operation with BN-9 battery pack. 5 lbs Wt.



(1971)

HALLICRAFTERS HC-100 Ham Command 2-Meter FM Transceiver - 2 watts output, internal rechargeable battery supply(12 volt), 5 or 15 kHz deviation, 2 channels selected by slide switch; 35 solid state devices used, built-in telescoping whip antenna; jacks provided for external antenna if desired, external microphone, headset, external dc supply or dc input to recharge the battery. Receiver sensitivity .5 uv for 20db quieting. Ceramic filter, 4 I.F. stages, limiter/discriminator, .5-watt audio output provides plenty out audio for noisy, mobile conditions. Transmitter uses 8-9 mHz range Xtals, T-section tank circuit plus double pi-section low pass filter for harmonic suppression. Has internal speaker/microphone or accessory PTT mike can be used. 9-5/8x3x2"D. 45 ounces wt. Price \$380 including rechargeable Nicad battery pack plus 4 crystals for 2 channels set to the frequencies you select. (Released 1971)

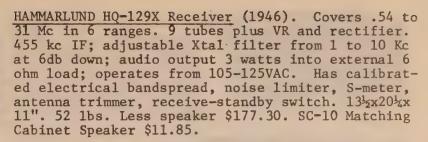


Hallicrafters FPM-300 SSB/CW Transceiver (1972). For fixed, portable, mobile use. Covers 80-10 meters in 8 600KHz Bands. Self-contained 117/234V 50/60Ac & 12VDC universal pwr supply. Compact 5½x12x11" 25 1bś. Has built-in spkr, AALC for 12db compression, AGC, 25KHz crystal calibrator. Selectable USB, LSB, CW or RTTY. 250w PEP SSB input, 180w on CW. Power output 125w PEP into 50 ohms. Rcvr sensitivity luv for 15db SN ratio. Selectivity 2KHz. Has break-in CW, semi-automatic, CW sidetone. Solid state. Optional Accessories: MR-300 Mobile installation kit, HA-60 Fan Kit. Price class \$595.





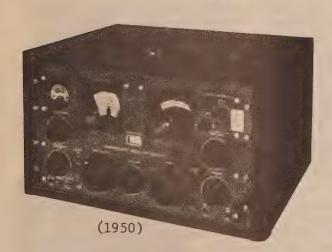




HAMMARLUND SERIES 400 "Super-Pro" (1946). 16 tubes plus 2 rectifiers; 455 kc IF; 500 ohm audio output to external speaker; for 105-125VAC. Has electrical bandspread; separate external power supply, S-meter, noise limiter, adjustable Xtal filter with 6-positions from sharp CW to phone; adjustable IF selectivity; antenna trimmer; phono input; receive-standby switch; AVC; 2 tuned RF and 3 IF stages; BFO; earphone terminal. Less speaker. SPC-400-X (Table model) covers .54 to 30 Mc in 5 ranges \$342. SPR-400-X (Rack model) covers .54 to 30 Mc in 5-ranges \$344.55. SC-46 Speaker cabinet \$5.25.

Model SP-400-SX Same specificiations but covers 1.25 to 40 Mc in 5 ranges. With speaker \$398.25.

HAMMARLUND Four-20 Transmitter (1946). CW transmitter featuring "Mono-Sequence" Tuning: tunes 4 circuits to 4 different frequencies with one control. Crystal controlled, covers 80, 40, 20 and 10 meters CW. Tube and output coil included, less key and crystal. \$120. For phone transmission, add the FOUR-11 Modulator \$72.50.





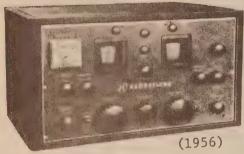
HAMMARLUND "Super-Pro" SP-600-JX (1950). .54
to 54 Mc continuous coverage, 6-position xtal filter with phasing, better than 80db
image rejction throughout frequency range. 2
RF stages, double conversion IF above 7.4mc.
Sensitivity: 2.3 uv for 10:1 S/N ratio. Audio output 2.5 watts. Single tuning control.
Precision rotary turret changes coils. Bandspread divides each frequency band into approximately 6000 readable settings. 20 tubes
cincluding rectifier and VR. Operates from
95 to 260VAC. Xtal controlled 2nd conversion oscillator, S-meter, noise limiter, phono
input, AC convenience outlet. 12-3/4x21½x17½"
D. Send-receive switch w/relay socket. Less
speaker. 100 lbs. \$985. 10" PM Spkr \$14.50

HAMMARLUND HQ-140X Receiver (1953). .54 to 31 Mc in 6 ranges. 9 tubes plus regulator & rectifier; 455 kc IF; 2 watts audio output into 6 ohm external speaker; operates from 105-125VAC. Calibrated electrical bandspread; Xtal filter with adjustable selectivity CW and phone; S-meter; noise limiter; antenna trimmer, receive-standby switch. 14x20½x11½" 60 lbs. less speaker \$264.50. Matching spkr \$14.50. XC-100 Xtal Calib. optional access.

Model HQ-140XA (1955). Updated version with new "smooth-as-silk" tuning and other minor mechanical and electrical improvements. \$249.



HAMMARLUND PRO-310 Receiver (1955). .55 to 35 Mc in 6 ranges. Dual conversion, 52 and 1802 Kc IF; adjustable selectivity .3 to 4 kc at 6db down. Differential bandspread tuning, ANL, BFO, S-meter, Ant. trimmer, Sensitivity: 1 uv for 10:1 S/N ratio. For 115VAC. 15½x18x9"H. 40 lbs. Less speaker \$495. Matching speaker \$18.50.



HAMMARLUND HQ-150 Receiver (1956). .54 to 31 Mc continuous; bandspread on 80 thru 10 meter bands with direct calibration; S-meter, Send-receive switch and relay connections; built in Xtal calibrator and Q-multiplier. 13\frac{1}{2}x20\frac{1}{2}x11\text{"H. 70 lbs.} For 105-115VAC. Less spkr \$294. Match.spkr \$15.



HAMMARLUND HQ-100 Receiver (1957). .54 to 30 Mc continuously in 4 bands. Calibrated bandspread. Dial marker every 10 kc on 80,40,20; every 20 Kc on 15; every 50 Kc on 10, plus logging scale. Q-multiplier; Sensitivity: 10 to 1 S/N ratio. Variable BFO. VR and temp. compensation HF oscillator for stability. ANL, AVC, S-meter, AVC adjusts automatically to receiving conditions. 10 tube superhet. circuit. 16½x9½x9"D. 40 lbs. Less speaker, with clock \$179; without clock \$169. Matching speaker \$14.95. (Clock includes an automatic timer to turn set on for warm-up).



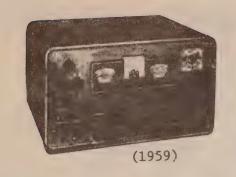
HAMMARLUND HQ-110 Receiver (1957). Covers 6 to 160 meter amateur bands. 12 tube superhet dual conversion. Auto-Response automatically narrows the audio passband as the audio gain is increased. VR and Temp. compensated HF oscillator for stability. Xtal controlled 2nd conversion oscillator. Has Q-multiplier, BFO, Xtal calibrator, separate linear detector for SSB. ANL. Sensitivity: 1.5 uv for 10:1 S/N ratio. Continuouously variable selectivity. Dial reset permits accurate calibration of the dual dials from front panel. Calibrated S-meter. 16½x9½x9½". 105-125VAG. Less speaker, with clock-timer \$239; w/o clock-timer \$229. Spkr \$14.95



HAMMARLUND HQ-160 Receiver (1958). Covers .54 to 31 Mc continuously in 6 bands. Il tubes plus VR and rectifier. Dual conversion, 455 and 3035 Kc IF's; Selectivity of 3.7 Kc at 6db down with Q-multiplier off; Calibrated electrical bandspread, Xtal controlled 2nd oscillator, separate linear detector for SSB and CW; BFO, notch filter, S-meter, noise limiter, Auto-Response audio bandpass limiting, dial reset, 14 tuned IF circuits, 100 Kc Xtal calibrator built in. For 110-120VAC. 10½x19x13". 47 lbs. Less speaker. \$379. S-200 matching spkr \$19.95.



HAMMARLUND HQ-170 Receiver (1958). Covers amateur bands from 160 to 6 meters in 7 bands. Deluxe triple conversion, sharp slot filter, sep parate linear product detector: +-3Kc vernier tuning for SSB; 7-positions of selectivity and choice of 3 AVC decay speeds. Automatic audio bandpass limiting, seideband selector, 100-Kc calibrator, dial reset, adjustable notch filter, Sensitivity: 1.5 uv for 10db S/N ratio. Selectivity adjustable from .5 to 6 kc. amplified S-meter, delayed AGC, antenna trimmer, receive-standby with muting provisions. For 110-120VAC. 10½x19x13". 45 lbs. Less speaker \$359. Model HQ-170C with clock-timer \$369. S-200 matching spkr \$19.95.





HAMMARLUND HQ-145 (1959). General coverage .54 to 30Mc in 4 bands. 11 tube superhet, improved ANL. Dual conversion on 10 to 30 Mc bands. Directly calibrated electrical bandspread on 80 thru 10 meter bands. Xtal filter with 6-position switch for selectivity. Adjustable slot filter, voltage regulated and temp. compensated HF oscillator for stability. S-meter, antenna trimmer, .5 uv sensitivity on CW for 10:1 S/N ratio. For 105-125 V AC. 10½x19x13". 42 lbs. \$269. Model HQ-145C same but with clock and timer \$279. Both above less speaker. Model S-200 matching spkr \$19.95. Plug-in 100-Kc Xtal calibrator, plugs into HQ-145 chassis, \$15.95.

HAMMARLUND HQ-180 Receiver (1960). Covers .54 to 30 Mc in 6 bands; bandspread calibration on 80 thru 10 meter bands. 16 tubes plus VR and rectifier; double conversion from .54 to 7.8Mc and triple conversion from 7.8 to 30Mc; combination HF Xtal filter and 60 kc LC filter to provide adjustable selectivity and selectable sideband reception; separate product detector for SSB/CW. Sensitivity 1.5 uv for 10db S/N ratio; audio output 1 watt into extern 3.w ohm spkr; operates from 105-125VAC. Xtal controlled 1st converter oscillator, delayed AGC; S-meter; slot filter Xtal calibrator with front panel corrector; adjustable noise limiter, antenna trimmer, adjustable AGC,

variable response audio system, receive-standby switch. 101x19x13"D. 45 lbs. Less speaker. \$429. Model HQ-180C same except w/clock-timer \$439. S-200 spkr \$19.95.



HAMMARLUND Model HX-500 SSB Transmitter (1960). 80 thru 10 meters. 21 tubes. Output power: 100 watts PEP SSB/CW, 25 watss AM, FM, FSK. Carrier suppress 50db or better. Unwanted sideband suppression 50db or better. TVI proofed. Separate dial scal on each band. Main slide rule dial calibrated every 10 kcs. Vernier tuning knob calibrated every 200 cps. Built-in 105-125VAC Power supply. 18½x16x11½". 100 lbs. \$695.



HAMMARLUND HQ-100A Receiver (1961). .54 to 30 Mc in 4 ranges. "Auto-Response" circuit adjusts audio bandwidth to receiving conditions. Variable BFO and Q-multiplier provide selectivity from 100 cps to 3 Kc. Calibrated electrical bandspread 80 thru 10 Ham bands. CB channel markings and logging scale. Sensitivity 1.75 uv for 10db S/N. VR and temp. compensated HFO for stability; S-meter; ANL, AVC. 8 tubes, VR and rectifier. 10x16½x9½. For 105-125VAC. Less speaker. \$189. HQ-100AC Same w/clock-timer \$199. S-100 Spkr for use with either receiver \$14.95.



HAMMARLUND HQ-145X Receiver (1961). Covers .54 to 30 Mc in 4 bands. Dual conversion from 10 to 30 Mc. Calibrated electrical bandspread 80 thru 10 wth CB channel markings and 0-100 logging scale. 6-position Xtal filter plus adjustable 60db slot filter. Sensitivity: 1.75 uv AM and .6 uv CW for 10db S/N. Provision for 1 Xtal-controlled frequency for WWV, CB channel, etc.(less Xtal). Has ANL, automatic audio passband control, S-meter, temperature-compensated variable BFO, Xtal controlled 2nd converter, AVC. 10½x19x13. 42 lbs. Less speaker, for 105-125VAC. \$269. Model HQ-145XC Same w/clocktimer \$279. S-200 spkr \$19.95. XC-100 Xtal Cal. \$15.95.



HAMMARLUND HX-50 Transmitter (1961). 80-10 meters, 130 W. PEP-SSB/CW input. Xtal or external VFO operation. Internal VFO range 5950-6550 Kc. 50db carrier and unwanted sideband suppression. Bandpass couplers low stages. 2.7 Kc bandwidth at 6db down. Has antenna changeover, VOX, anti-trip. 3 ele. Pi-net. 9½x17½x9". 45 lbs. 105-125VAC built-in. \$399.50 Output meter, keying relay. Power outputs: 50 watts PEP on SSB/CW; 12-14 watts output AM operation. Output imped. 50A

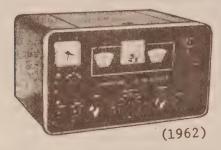




HAMMARLUND HXL-1 Linear Amplifier (1962). 1 KW PEP SSB/CW input, 80 thru 10 meters SSB/CW/AM (provision for 160 meters with accessory kit). Grounded Grid circuit, high dissipation single output tube, adjustable pi-network output. Panel meter reads PA grid/plate and relative RF power output. Standby bias supply for cutoff during receive; relays for exciter only or amplifier operation. built-in 105-125VAC P.S. w/silicon rectifiers. 94x174x94. 105 lbs. Matches HX-50. \$375.

HAMMARLUND HQ-110A Receiver (1962). 7-Band Amateur dual conversion receiver for SSB,CW and AM with full calibrated coverage of the 160 thru 6 meters ham band with accessory socket for 6 meter preselector and calibrated scale for any 2-meter converter with 50_54Mc output. Has "Auto-response" circuit, Q-multiplier, 100-kc Xtal calibrator, separate linear detector for SSB/CW, Xtal controlled 2nd converter, VR and temp. co-mpensated HF oscillator, ANL, BFO. Sensitivity: 1.5 uv for 10db S/N. For 105-120VAC. 9\frac{1}{2}\text{x}16\frac{1}{4}\text{x}9\frac{1}{4}\text{.} 31 lbs. Less speaker. \$249. Model HQ-110AC Same w/clock-timer \$259. S-100 speaker \$14.95.

Model HQ-110A-VHF (1964) Similar but covers 2 to 160 meters ham bands with Nuvistor front end. \$299. Model HQ-110AC-VHF Same with clock \$309. Both models less speaker.



HAMMARLUND HQ-170A Receiver (1962). Triple conversion, covers 160-6 meters with socket for 6-meter preselector, and 144-mc calibrations for any 2-meter converter with 50-54mc output. 7-selectivity positions, slot filter, product detector, selectable AVC and USB/LSB, 100-kc calibrator, "Auto-Response" audio bandwidth limiting, S-meter, BFO control, phone jack. 10½x19x13"D. 45 lbs. For 105-120VAC. Less speaker. \$369. Model HQ-170AC Same with clock-timer \$379. S-200 matching speaker \$19.95.

Model HQ-170A-VHF (1964) Similar but covers 2 to 160 meters ham bands with separate Nuvistor front end for 6 & 2 giving .3 uv sensitivity for 10db S/N. \$419. Model HQ-170AC-VHF Same w/clock-timer \$429. Both models less S-200 speaker, \$19.95.



HAMMARLUND HQ-180A Receiver (1963). Covers .54 to 30 Mc in 6 bands; bandspread calibration on 80 thru 10 meter bands. 16 tubes plus VR and rectifier; Sensitivity 1.5 uv for 10db S/N ratio; Selectivity selective from 1 to 6 Kc bandwidth; triple conversion from 7.8 to 30 Mc; IF system combines HF Xtal filter and 60 kc LC filter; separate product detector for SSB/CW; Xtal controlled 1st oscillator; delayed AGC; amplified S-meter; slot filter, Xtal calibrator with front panel corrector; adjustable noise limiter; for 105-125VAC. Less speaker. 10½x19x13"D. \$429. Model

HQ-180AC Same with Telechron clock-timer, less speaker \$439. S-200 spkr \$19.95.



HAMMARLUND HQ-66 Receiver (1964) General coverage .54 to 30Mc with electrical bandspread tuning on 4 bands. Temp. compensated HF oscillator for stability. Automatically adjusts audio response to fit receiving conditions. ANL. 10 tube superhet. For 117VAC. Less speaker. \$159.95.



HAMMARLUND HQ-88 Receiver (1964) 10 thru 160 meter ham bands including MARS, CB, WWV, and marine band. Selectivity of 2.2 and 5 Kc, separate AM and SSB detectors, ideal for SSB,AM,CW and RTTY. Dual conversion 80 thru 10 M. For 117VAC, can be used with 12VDC accessory supply. 15x7-3/4x10½"D. Less Spkr,



HAMMARLUND HQ-145A Receiver (1964). Dual conversion, .54 to 30 Mc in 4 bands, band 5 is 20 meter amateur. Has single X-tal controlled channel for use anywhere within range of the receiver. Directly calibrated electrical bandspread, S-meter, Xtal filter, Auto-Response audio circuit, AVC, temp. compensated HF oscillator, Ant. trimmer, For 117VAC. Headphone jack on panel, less spkr. 10½x19x13"D. 35 1bs. \$289.

Model HQ-145AC Same with clock-timer, less spkr, \$299. S-200 speaker \$19.95.

HAMMARLUND HQ-145AX Receiver (1964). Similar to the HQ-145A pictured and described on the preceding page but includes 11 crystal positions with panel selector. \$349.





HAMMARLUND HX-50A Transmitter (1967). 80-10 Meters + MARS, etc. Rated at 180 watts PEP-SSB, 165 watts CW, 75 watts AM. Stability better than 250cps after warm-up. Internal VFO covers 80-10 meter ham bands. 3 crystal sockets selectible from panel. A 6DQ5 final, solid state 115/230VAC supply. Has VOX, PTT, Anti-Vox, Breakin CW with grid-block keying, internal relays, adjustable pi-net, Panel Metering, ZBZ zero-beating and calibration, Xtal filter sideband generation. 17½x9½x9½". 40 lbs. \$495. Matches HXL-1 Linear Amplifier.

HAMMARLUND HXL-1 (Updated 1964) Linear Amplifier: 1,500 Watt PEP SSB Linear; 1 KW CW, 250 watts AM. Grounded-Grid using pair of 572A triodes. Bandswitching 80-10 meter amateur bands. Switch in-out of line without external relays. Built-in multi-purpose meter even provides linearity test. Pi-net matching network. Built-in 115-230VAC power supply. 17½x9½x9½". Matches HX-50 and HX-50A Transmitters as exciters. \$395.

Model HXL-1 (Updated 1967) Similar to the above but rated 2000 Watts PEP SSB Linear Amplifier, 1000 watts CW, 250 watts AM using pair of 572B's in Grounded Grid. \$469.95



HAMMARLUND HQ-215 Solid-State Receiver, (1967). Operates 117/234VAC and 12VDC; Covers 3.4 to 30.2 mHz with proper Xtals (5 Xtals furnished covering 80-10 in 200 kHz increments). Visual dial readout of 100 Hz on all bands; drift under 100cy hr; Selection of 3 bandpass filters .2 to 6 Kc with 2.1 kHz supplied; Sensitivity .25 uv for 10db S/N on SSB; selectable AGC times; rejection tuning; 100kHz calibrator; Speaker & phone outputs; selectable SSB; variable BFO. 7x16x14"D. 16 1bs. Less speaker. \$529.50. S-215 spkr \$24.95.

Model HQ-215 Mk II Receiver (1969). Updated solid-state receiver similar to the model above. Features 26 transistors, "notch", operates 117VAC & 15VDC. Less speaker \$399.99

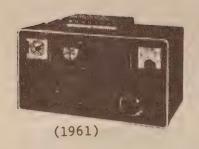


HAMMARLUND HQ-180AX Receiver (1969) Similar to the HQ-180A described and pictured the previous page but provides for 11 fixed-frequency Xtal positions in place of the clock-timer, 6 of which are available from the front panel, the other 5 through the trap door design of the cabinet. Xtal stability for Net operation, MARS, WWV, etc. Minor Xtal differences can be compensated for with the vernier pass-band tuning control which provides a + or - 3 kHz freq. deviation. 101/2x19x13"D. 40 lbs. Price class \$500.



HAMMARLUND HQ-200 Receiver (1969). General coverage .54 to 30 mHz in 5 ranges. Calibrated electrical bandspread 80-10M. S-meter, independent Q-multiplier, series type noise limiter, variable BFO, product detector, SENSITIV-ITY .5 uv CW & SSB, 1 uv AM, 10:1 S/N. AVC, Antenna trim-mer, Zener regulated temp. compensated HF oscil-

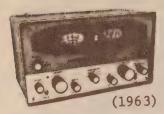
lator; continuously variable selectivity from .1 to 12 kHz. 8x16\(\frac{1}{2}x9\) \(\frac{1}{4}\). 26 lbs. Operates 115/230VAC. Less speaker. \$249.95. S101 matching speaker \$19.95.



HAMMARLUND HQ-105 TR Transceiver - Combines general-coverage shortwave receiver with 5-watt single-channel transmitter, used for Citizens Band communications or retuned to 10-Meter Amateur band. Tunable from 540 kc to 30 mc in 5 ranges. Variable Q-multiplier, sensitivity and selectivity controls; S-meter; bandspread; BFO. Sensitivity 1.75 uv. PTT transmit. Less speaker. 9½x 16½x9½. Wt. 35 lbs. \$2.9.50. HQ-105 TRC with clock timer \$229.50. S-100 matching speaker for above \$14.95.



HAMMARLUND PRO-200 5-Band SSB Transceiver - 80 thru 10 meters, 300 Watts PEP-SSB, 180 watts CW; selectable sideband, VOX-PTT, CW break-in; crystal filter generation; provision for remote receiving VFO and noise immunizer. Carrier suppression -50db down; xmitter distortionproducts -40db down. Receiver sensitivity 1 uv for 20db S/N. Drift less than 100 cy after warmup. Size 14x11x6"H. Wt. 17½ lbs. Less speaker and supply. Price \$650. AC-200 supply \$99.50; DC-200 supply \$109.50 S-88 Speaker \$14.95. PRO-200-160 (includes 160M) \$680.



HAMMARLUND Model HQ-205 Transceiver. Incorporates a general coverage receiver and a 5-watt CB or 10 meter transmitter. Receiver convers 540 KHz to 30 MHz continuously. Has ham band bandspread. Transmitter is Xtal controlled.



HAMMARLUND HXQ-300 All Band Transceiver - 160 - 10 Meters; 300 Watts PEP-SSB, 250 Watts CW; Selectable sideband, mechanical filter; VOX-PTT, CW break-in; provision for remote VFO and noise immunizer; transmitter distortion products -40db down; carrier suppression -50db. Receiver sensitivity 1 uv for 20db S+N/N. Separate rcvr and xmtr tuning; drift less than 100 cy after warm-up. Less power supply/speaker. Size: 14x11-3/4x6. Wt. 17½ 1bs. Price \$750. AC-300 115/230 VAC supply/Speaker \$99.50. DC-300 12VDC supply \$109.50.



(pre 1948)

HARVEY-WELLS ELECTRONICS, Inc. Bandmaster Model TBS-50 Transmitter-(pre 1948). Covers 8 bands 80 thru 2 meters phone and CW without plug-in coils (has bandswitch). 50 watts into final 807 (30 watts on 2 meters). 2 - 6L6 Class B modulators. Small size makes it ideal for fixed or mobile operation. Xtal controlled all bands. Antenna network matches 50-500 ohms. Use carbon or low impedance mike. Frequency calibration chart on front panel as well as a 2-scale grid and plate DC milliameter. Operates from 450V. 250ma AC, or from vibrator or dynamotor supply mobile. 8x12x8"D. Less power supply. \$99.50. APS-50 AC Power supply \$39.50. Model TBS-50A Same w/crystal microphone preamplifier \$121.50

HARVEY-WELLS Bandmaster Sr. Transmitter (1950). Same cabinet and appearance as above. Includes new oscillator-VFO switching circuit. Phone/CW 8 bands 80 thru 2 meters, for fixed or mobile operation. 50 watts power input to 807 final. Band switch, excitation control, antenna loading, amplifier tuning, meter switch. Frequency calibration chart and 2 grid and plate milliameters on front panel. For carbon or low imped. mic. Less power supply (APS-50 AC supply \$39.50, DPS-50 Dynamotor supply \$87.50). 8x12x8. \$111.50

Model Bandmaster Deluxe Xmtr - Same as Bandmaster Sr. plus built-in Xtal mic. preamp

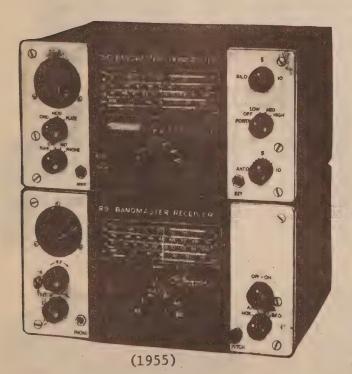
Model Bandmaster Junior Xmtr - Same cabinet and appearance but for CW only. 50 watts, optional Xtal control or VFO input, switching circuit; 100% break-in operation, band switching from 3.5 to 148 Mc. Antenna coupler and excitation control. \$87.50.



Bandmaster nounted on VFO



HARVEY-WELLS Bandmaster VFO (1953) Designed to use with Bandmaster transmitters. 6 bands each directly calibrated on lighted slide rule dial. Provides 20-25 V. RF output. Requires 6.3V and 300 V. Clapp oscillator, uses 6AQ7 and OB2 VR. 9x11½x4". \$47.50. Covers 80, 40, 20, 15, 11 and 10 meters.



HARVEY-WELLS T-90 Transmitter (1955). 90watt bandswitching transmitter 80 thru 10 meters. TVI suppressed. Has antenna change over relay, PTT, rcvr muting. Pi-network output, illuminated dial and meter. VFO, meter switches to PA grid, cathode, modu lator currents. CW 90 watts, Phone 75 W. 6146 final. Wired for 6 or 12 v filaments. Xtal, dynamic, or carbon mike. $12\frac{1}{2}\times10\frac{1}{2}\times$ 6-3/4". 20 lbs. Less power sumly \$179.50. APS-90 115VAC Supply for T-90 \$79.50 VPS-T90 6 or 12VDC Vibrator Supply \$89.50

HARVEY-WELLS R-9 Receiver (1955). Double conversion, covers 80 thru 10 meters. Illuminated S-meter, ANL, BFO, AVC. Coils hi=Q slug tuned, 3 tuned circuits each band. Accurately calibrated, high selectivity and sensitivity. Built in 115VAC supply, provision for 6 or 12vdc external p.S. 12½x10½x6-3/4". 10 lbs. Less spkr. \$149.50 FS-1 Cabinet speaker matching \$10.50. MS-1 Mobile speaker \$7.50. VPS-R9 Mobile vibrator supply \$28.50.

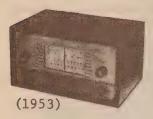
Model R-9A (1958) Essentially the same as the R-9. IF frequencies 1600 and 260 Kc, bandwidth 4 Kc at 6db down, 50 ohm input impedance. 8 tubes, VR, rectifier. \$159.95.



HEATHKIT (Heath Company) AT-1 Transmitter Kit.

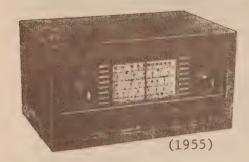
Panel mounted Xtal socket, covers 80 thru 10 meters CW.

Key click filter, standby switch, A.C. line filtering, good shielding. Xtal or external VFO excitation, up to 35 watts input to 6L6 Doubler-amplifier. Metered operation, 52 ohm coaxial output, single knob bandswitching, Built-in 117VAC P.S. 8 x13 x7"D. 16 lbs. Kit \$29.50.



HEATH AR-1 Receiver. Similar to Model AR-2

HEATH AR-2 Receiver (1953). Covers 535 Kc to 35 Mc in 4 bands. 6 tube transformer AC operation. Electrical bandspread and scale. Stable BFO, RF gain control with AVC or MVC. Noise limiter, standby switch. Self-contained speaker. 105-125VAC operation. 11½x5-3/4x6-3/4"D. 12 lbs. Less cabinet(\$4.50) \$25.50. Kit form.



HEATH AR-3 Receiver (1955). Covers .55 to 30 Mc in 4 bands. 4 tubes plus rectifier, 455 kc IF. Has calibrated electrical bandspread, noise limiter, self-contained speaker. For 105-125VAC, transformer type. BFO, separate RF and AF gain controls, illuminated dial scale, headphone jack, AGC. Less cabinet (\$4.95) \$29.95. 11½x5-3/4x6-3/4"D. 12 lbs. (Cabinet is fabric covered with aluminum panel). Kit form.



HEATH DX-20 Transmitter Kit. 50 watts plate power input 80 thru 10 meters, Pi network output circuit to match various antenna impedances. 6DQ6A final, one knob bandswitching. Xtal or external VFO excitation. Potted transformers, provides good CW signal. 18 lbs. \$35.95. Uses a 6CL6 oscillator, a 5U4GB rectifier, and covers the 80,40,20,15, 11 and 10 M. bands.



HEATH DX-35 Transmitter Kit. Phone and CW 80 thru 10 meters. Features a 6146 final to provide 65 watt plate power input on CW, and 50 watt controlled carrier modulation peak power on phone. Modulator and 117VAC power supply built in. Single band-change switch, 3 Xtal selection switch on panel, panel meter indicating final grid current or plate current. Pi-network output to match various antenna impedances. 24 1bs. \$56.95.



HEATH DX-40 Transmitter Kit. Phone and CW, Xtal operation, or external VFO. Plate power input is 75 watts CW, 60 watts controlled carrier phone peak power. Single knob switching to cover 80 thru 10 meters. Pi-network output coupling and interstage coupling improves stability and attenuates harmonics. 6146 final amplifier. 3-Xtal selection switch with jack for external VFO. Tuning meter, with extra tune position so buffer stage can be pretuned to locate own signal on the band without the final being on. 26 lbs. AC 117V power supply built in, with line filter, for power line isolation. \$64.95.



HEATH DX-100 Transmitter . Bandswitching Phone or CW on 160 thru 10 meters. Push-pull 1625 tubes modulate parallel 6146 tubes for RF output of 120 watts CW, 100 watts phone. Built in VFO or Xtal excitation. Built-in 117VAC Power Supply. 5-point TVI suppression and pi-network output to match 50 to 600 ohms. Illuminated VFO and dial and meter face. Pi-network interstage coupling for harmonic suppression. 107 lbs. Kit \$189.50.



"Mohican"

HEATH GC-1/Receiver (1959) Covers .55 to 32 Mc in 5 bands with 10 Xistors plus 6 diodes; has self-contained whip, 455 kc IF, sensitivity of 2 uv for 10db S/N on SW bands; selectivity 3 kc at 6db down; built-in speaker; operates from 12VDC 8-"C"cells or accessory AC supply. Has calibrated electrical bandspread, ceramic filter IF system, dial light switch, noise limiter, S-meter, antenna trimmer. 12x7x10"D. 17 lbs. Kit \$109.95. Model GC-1A Wired and tested \$193.50. XP-2 AC power supply kit \$9.95.



HEATH TX-1 "Apache" Transmitter (1958). 180 Watt CW, 150 Watts Phone input. (SSB transmission with SB-10 external adapter provided for by switch selected built-in circuit). Stable internal VFO, slide rule illuminated rotating VFO dial with full gear drive vernier tuning providing bandspread. Bandswitch selection of 80,40,20,15 or 10 meters. Low-level speech clipping, push-pull class B modulator. Time sequence "chirpless" keyeing break-in operation. Has cooling fan. Pi-network output coupling matches 50-72 ohms. Spotting button, TVI suppressed. 110 lbs. Kit \$234.95.



HEATH RX-1 "Mohawk" Receiver (1958). Covers 80 thru 10 meter ham bands in 7 ranges. 13 tubes plus VR and rectifier, dual conversion with 50 and 1682 Kc IF, 1 uv sensitivity for 10db S/N ratio. Adjustable selectivity .5 to 5 Kc in 5 positions, built in 100 kc Xtal calibrator; has calibrated scales for 6 and 2M coverage with external converters, electable sideband, notch filter, product detector for SSB & CW, S-meter, noise limiter, accessory socket. 19½x11-5/8x 16"D. 52 lbs. For 117VAC. Less speaker. Kit @\$299.95. Model AK-5 Speaker Kit \$10.95.



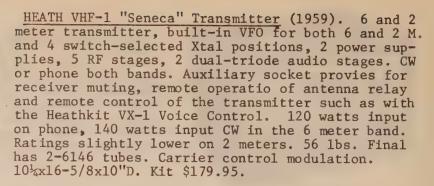
HEATH MT-1 "Cheyenne" Mobile Transmitter (1959). Covers 80 thru 10 meters, up to 90 watts input on phone. Built-in VFO, modulator, 4 RF stages, 6146 final, pi-network coaxial output coupling. Spotting switch. A specially designed ceramic microphone is included to assure plenty of modulation power. 19 lbs. (Operates with MP-1 Mobile Power Supply Kit from 12-14VDC \$44.95.) Shipping Wt. 19 lbs. Kit \$99.95.



HEATH MR-1 "Comanche" Mobile Receiver (1959) Companion unit to the "Cheyenne" Transmitter, operates mobile from the same power supply MP-1 for 12-14VDC battery. 8-tube superhet ham band 80 thru 10 meters. AM,CW and SSB. Uses a 3 mc crystal lattice IF filter. Steep sided 3 kc flat top IF bandpass. RF stage 2 IF stages, 2 detectors, noise limiter, 2 audio stages, and VR. Sensitivity 1 uv for 10db S/N ratio all bands. Less speaker. 19 1bs. Kit \$119.95. Use Mobile Speaker Kit AK-7 \$5.95.







HEATH HX-11 CW Transmitter. 50 watt plate in-put, CW mode. Covers 80 thru 10 meters, 117VAC power built in. Switched ant. relay, pi-network output 50-600 ohm match. Low pass filter. 6DQ6A final. Xtal or external VFO excitation. Neutralized final amp. Panel meter. Easy Xtal socket access. 13x8½x7"D. Kit \$43.50



HEATH GR-81 Receiver (1961). Covers 140 Kc to 18 Mc in 4 bands. "Beginners" Shortwave radio, transformer operated AC for safety. Built-in speaker and headphone jack. Calibrated main tuning, bandspread, bandswitch, regeneration control, on-off volume. 3 tube circuit. 10"x7"x7"D. Kit \$24.95.



HEATH GR-91 Receiver (1961). Covers .55 to 30 Mc in 4 bands. 4 tubes plus rectifier. 455 Kc IF, for 105-125VAC. Has electrical bandspread, internal speaker, S-meter, noise limiter, and Q-multiplier jack. Large slide rule dial. 12½x5½x8½"D. Has BFO for CW, and an antenna trimmer. 15 lbs. Kit \$39.95.



HEATH DX-100-B Transmitter (1958). VFO or Xtal control, phone or CW operation 160 to 30 mc. Cabinet has top-access hatch for changing Xtals and making adjustments. Chassis punched to accept sideband adapter modifications. Built-in VFO, modulator, power supply, pi-network output coupling for 50 to 72 ohms. RF output 100+ watts on phone and 120 watts on CW. Single knob bandswitching, illuminated VFO dial and meter. Pair of 6146 tubes in parallel modulated by pair of 1625's. 107 lbs. TVI shielded. Kit \$189.50.



HEATH DX-60 Transmitter

80 thru 10 meters. 90 watts phone or CW input.

Neutralized 6146 final, built-in low pass filter, grid block keying. Front panel switch selects VFO (external) or 4 Xtal positions. Controlled carrier modulator and power supply built in. Single knob bandswitching, pi-network output coupling. Panel meter shows final grid or plate current. 50-72 ohm output. 105-125VAC. 25 lbs. Kit \$79.95.

Model HG-10 VFO 80 thru 2 meters, Kit \$34.95.



HEATH HR-10 Receiver (1961). 80 thru 10 meters AM, CW, SSB. Lattice type Xtal filter for high selectivity: 3 kc at 6db down; sensitivity 1 uv for 10db S/N. 7 tubes, RF stage, S-meter, BFO, provision for plug-in 100 kc Xtal calibrator. 1681 Kc IF. 8 or 500 ohm audio output. 13-3/4x11½x6½"D. 20 1bs. For 117VAC. Kit \$79.95. HRA-10-1 Plug-in 100 kc Crystal calibrator kit \$8.95.





HEATH HW-10 6-Meter "Shawnee" and HW-20 2-Meter "Pawnee" Transceivers. Built in 117VAC, 6VDC or 12VDC heavy duty vibrator supply w/AC and DC cables furnished. Fused relay controls all power to transceiver in mobile installations. 10 Watt RF Output, 6360 Final amp. Tracked VFO and Exciter stages for single knob tuning. Built in low pass filter. PTT microphone. Spotting switch. Dual purpose modulator that doubles as 15 watt P.A. amplifier; Receiver double conversion superhet with 1st oscillator xtal controlled; illuminated sliderule dial for receiver and VFO; panel meter doubles as S-meter and relative power output; squelch, noise limiter controls, 3x5 PM speaker, RF gain, BFO, AVC. Sensitivity .5 uv for 10db S/N ratio. Uses 8mc xtals, switch selected 4 xtals or VFO. 6x10x12"W. Wt. 34 lbs. Price class \$199.95

HEATH HW-19 "Tener", HW-29A "Sixer" and HW-30 "Twoer" Transceivers - These "Benton Harbor Lunchboxes" cover the 10, 6 and 2 meter bands. All have xtal-controlled xmtrs and superregenerative receivers with RF preamplifiers. The highly sensitive rcvrs pull in signals as low as 1 uv and produce complete quieting on reasonable levels. 5 watts input, ideal for local or net operation. 10 meter model has a built-in RF trap to minimize TVI; 6&2 meter models use 8mc crystals with frequency multiplied to provide straight through final output. Built in final metering jack, PTT transmit/ receive switch on front panel. Mic and 2 power cords for AC and separate DC supply included. Built in speaker. Prices for Kits: HW-19 \$39.95; HW-29A \$44.95; HW-30 \$44.95. Kit GP-11 available to provide voltage from either 6 or 12 Volt battery for \$21.95. Sizes of all of these Transceivers: 8x6x9-3/4"W.Wt. 8 lbs. ea.



HEATH HW-16 CW Transceiver - Covers the lower 250 kHz of 80, 40, & 15 meters. 75 watts input for novice class, 90 watts for general class (input adjustable). True CW break-in operation. Xtal controlled transmit with provision for external VFO control with Heathkit HG-10B VFO. Xtal lattice filter for CW selectivity of 1 uv. Built-in sidetone. Grid block keying. Built in 120 VAC Supply. Size 13-3/4x11½x6½"H. 25 lbs. Kit HW-16 \$109.95; Kit HS-24 Speaker \$7.95; Kit HD-10 Electronic Keyer \$39.95. GD-396 Headphones \$4.50.



HEATH HW-17 (HW-17A) 2-Meter AM Transceiver. Covers 143.2 to 148.2 MHz. Power input: HW-17 18 to 20 watts, HW-17A 25 to 30 watts. 8-10 watts AM output. A front panel switch selects any of 4 xtal frequencies or external VFO. Receiver is solid-state dual conversion superhet, prealigned FET tuner has 100 kHz calibration. (Transmitter is hybrid solid = state/tube combination.) ANL, squelch, 1 uv sensitivity. S-meter doubles as relative power output meter. Spotting switch position. Built-in speaker and 117 potential switch position.

VAC supply. 14x6x8½"D. 181bs. Kit HW-17A \$129.95. Kit HWA-17-1 DC supply \$24.95. FM Adapter Kit HWA-17-2 \$17.95 (Transmits wide band 15 kHz F.M.. Just flip switch for AM or FM. Two crystal positions (146.94 mHz included).



ting VOX from a keyed tone using gridblock keying. High impedance mic. or phone patch input. Audio freq. response 400 to 3000 cps at +or-3 db. 117VAC power built in. 19x11-5/8x16"D. Kit \$334.95.



19\\x11-5/8x16"D. 99 lbs. For 117VAC. Kit \$229.95.

HEATH HA-10 KW Linear Amplifier "War-Self-contained desk-top 1000 watt PEP-SSB/CW, 400 watts AM, 650 watts RTTY input. Excellent companion to the HX-10, may be driven by any 50 to 100 watt exciter (no matching or swamping network required.) Groundedgrid, 70% efficiency. 4-parallel 811A's and 2-866A's forced air cooled by built in fan. RF shielding, monitor scope out= put, neutralized final, interlocked HV switching. Covers 80 thru 10 meters. Panel meter reads grid current, plate current, HV and relative RF power output. Variable pi output for 50-75 ohms.

HEATH HX-10 "Marauder" SSB Transmitter

180 Watts PEP-SSB & CW input, 75 watts AM, 80 thru 10 meters. Sealed Xtal bandpass filter, Xtal controlled heterodyne oscillator, preheated temperature compensated VFO. Special 165:1 wormgear tuning assembly provides antibacklash tuning with approx. 10 kc per turn. 50 to 75 ohm output impedance, 100cps freq. stability after warmup, Carrier suppression 50 db, unwanted sideband suppression 55 db below peak output. Break-in CW provided by opera-

Operates USB/LSB, CW, AM & FSK.





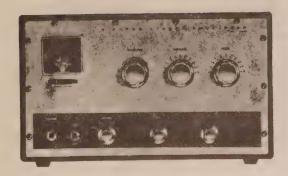


(1963)

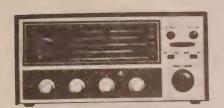
HEATH HX-20 SSB Mobile Transmitter (1962). 80 thru 10 meters, bandswitching, sealed Xtal bandpass filter, xtal controlled dual conversion heterodyne circuitry, automatic level control for greater talk power. SSB suppressed carrier, 90 watts PEP input SSB and CW; VOX, temperature stable VFO, USB/LSB or CW mode, 100cps stability after warmup, carrier suppression 50 db, unwanted sideband suppression 55 db below peak output, grid-block keying, high impedance mic. input. Output 50-75 ohms. Operates mobile or fixed with separate power supply. (Kit HP-20 AC or HP-10 12VDC). Size: 124x64x9-3/4"D. 19 1bs. Kit \$199.95.

HEATH HR-20 SSB Mobile Receiver (1962). 80 thru 10 meters SSB, AM, CW. Sensitivity 1 uv on all bands for 10db S/N ratio. 3 Kc bandwidth at 6db down. Tune RF stage, xtal bandpass filter, VR and temp. compensated oscillators. 5 bands separately calibrated on dial. Product detector SSB/CW, DIODE Detector AM. Series noise limiter, selectable AVC, 8 ohm and 500 ohm outputs for external speaker, headset or anti-trip circuit in transmitter. Less power supply (use Kit HP-20 AC or HP-10 DC supplies). Selectable sideband, S-meter, separate RF and AF gain, antenna trimmer. $6\frac{1}{4}x12\frac{1}{4}x9-3/4$ "D. 17 lbs. Kit \$134.50.

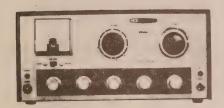
HX-30 6-Meter SSB Transmitter. (1963) 10 watts PEP RF output to antenna. Covers 50-54 Mc in 4 1mc segments. USB/LSB, AM & CW modes. Stable VFO with helical gear drive, phasing type SSB generation, audio filter limits bandpass, grid block keying w/key click filter, 2 Xtal positions for net or MARS, PTT, VOX, anti-trip, AC pwr blt in. 104x16-5/8x10"D. 50 lbs. Kit \$190.



Mate for the HX-30 SSB Transmitter. Requires just 2.5 to 10 watts PEP drive for full 70 watt PEP output. Tuned grid input, link-coupled output match to 50-75 ohm coaxial transmission line. RF shielding minimizes TVI and adds stability. Push-pull 6146 final amplifiers are neutralized and fan forced air cooled. Panel metering of final grid & plate current and relative RF output. 125 watts PEP SSB input, 75 watts AM. Built-in 117VAC power supply. 10½x16-5/8x10"D. 43 lbs. Kit \$99.95.



MEATH HR-10B 5-Band Receiver Covers 80 thru 10 meter AM, CW & SSB. Each band calibrated on illuminated slide-rule dial. Separate RF and AF gain controls. BFO, Xtal lattice filter delivers 3 kHz selectivity. Sensitivity of 1 uv for 10db S/N ratio. S-meter, AVC, ANL, provision for optional 100 kHz Xtal calibrator. Less speaker, for 120/240VAC. 13-3/4x11½x6½"D. Kit \$79.95. Kit HRA-10-1 plug-in 100 kHz Xtal calibrator \$9.95.

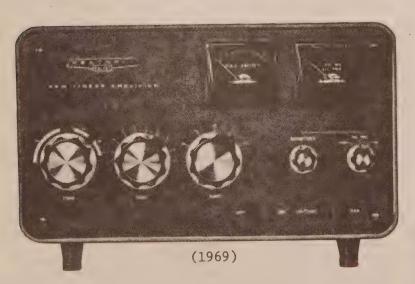


HEATH DX-60B Phone & CW Transmitter

peak controlled carrier or CW input. Pi-output matches
50-75 ohm load. Drive level control, grid/plate current
meter, drive tune control. 4-Xtal sockets and provision
for external VFO. Covers 80 thru 10 meters. 120/240VAC
power supply built in. 13-3/4x11½x6½"H. Kit \$79.95.
HG-10B VFO 80 thru 2 meters \$44.95.

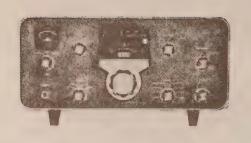


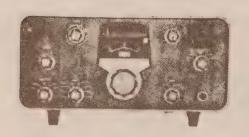
HEATH SB-200 Linear Amplifier
1200 Watts PEP SSB, 1 KW CW power input. Covers 80 thru 10 meters, requires
only 100 watts PEP drive. Pair of 572B/
T-160-L equivalents in fan cooled final, shielded for TVI. Pretuned cathode
input; ALC output for automatic exciter control; circuit breaker protection;
Built-in SWR meter, antenna relay that
switches antenna to exciter when linear is off. 41 lbs. Kit \$220. 120/240V
power supply built in. 15x6-5/8x13½"D.



HEATH SB-220 Linear Amplifier 2000 watts PEP SSB, (1969).full 1000 watts CW and RTTY. Two Eimac 3-500Z in groundedgrid circuit, broadband pretuned pi-input, 80 thru 10 meters. Only 100 watts drive required. Built-in solid state 120/240VAC supply. Includes circuit breaker protection, zener diode regulating operating bias to reduce idling current for cooling running longer tube life; large quiet fan; ALC to prevent overdriving; monitoring of grid current, relative RF power, HV switch selected. Fast, easy tune-up: Just set the band switch, push CW-Tune/

SSB rocker switch to CW-Tune position, adjust Tune & Load controls for maximum relative power. Push the rocker switch to SSB position and you're ready with a full 2 KW PEP input. In the CW-Tune position, you've got a full gallon for CW or RTTY transmission. 15x8\frac{1}{2}x14\frac{1}{2}"D. 48 lbs. Kit \$349.95.













HEATH SB-300 SSB Receiver

TO meter ham bands. Xtal controlled front end, precision built Linear Master Oscillator (LMO) with 1 Kc dial calibrations; built-in Xtal calibrator; 2.1kc Xtal Bandpass filter, vernier dial drive, provision for VHF converters. Can be used transceive with SB-400 Transmitter in which use a common BFO Xtal assures "dead-on" frequency. Switch selected SSB, CW, USB/LSB, AM mode; drift less than 100cps after 20 min. warmup; dial accuracy 200cps all bands; Sensitivity 1 uv for 15db S+N/N ratio for SSB; 15x6-5/8x 13½°D. 17 lbs. Less speaker. Kit \$265.

HEATH SB-400 SSB Transmitter

transceives with SB-300 Rcvr. Built-in 120VAC power supply, LMO frequency control, built-in antenna changeover relay, Xtals supplied for 80-10 meters, ALC for higher talk power; 180 watts PEP SSB, 170 watts CW, Operates USB, LSB, & CW. VOX & PTT control in SSB, VOX operated CW break-in using CW sidetone. 1 Kc dial calibration-100 Kc per dial revolution. Dial bandspread equal to 10 feet per mc. Has zero set knob for precise calibration, TVI shielding, 50-75 ohm output. 15x6-5/8x13½. 33 lbs. Kit \$325.

HEATH SB-301 Receiver (1968). 80 thru 10 meters plus 15mc WWV. Front panel switching for 6 and 2 meter converters; Xtal controlled front end; .3uv sensitivity; 1 kHz dial calibrations-100 kHz per dial revolution, 500 kHz coverage per bandswitch position. 4:1 knob to dial ratio. Prealigned LMO for linear tuning, high stability. Provision for transceive operation with SB-401 Transmitter. SSB, CW, RTTY modes. ANL, product detector. Less speaker. For 120VAC. 15x6-5/8x13½. 17#. Kit \$260.

HEATH SB-401 Transmitter (1968) Covers 80 thru 10 meter ham bands. 180 watts PEP SSB, 170 watts CW. Built-in 120VAC power supply, antenna change-over relay, LMO frequency control, transceives with SB-301 rcvr, ALC for higher talk power, Xtal filter SSB generation USB or LSB, 50-75 ohm output impedance, drift less than 100 Hz per hr. after 20 min. warmup, Carrier suppression 55 db, unwanted sideband suppression 55db. 15x6-5/8x 13½"D. 34 lbs. Kit \$285. Single knob LMO control.

HEATH SB-303 Solid State Receiver (1969). 80 thru 10 M. coverage plus 15 MHz WWV. 25 and 100 kHz calibration markers. Receives USB, LSB, AM, CW and RTTY. Fast or slow AVC, 2.1 kHz SSB Xtal filter or optional AM & CW filters. Solid state LMO. Uses MOSFETS, integrated circuits, transistors. Built-in regulated power supply for 120VAC. Sensitivity .25 uv for 10db S+N/N for SSB. 1 kHz dial readout, 12½x8x14"D. 19 lbs. Less speaker. Kit \$319.95. SB-600 speaker kit \$19.95. SBA-301-1 optional 3.75 kHz AM Xtal filter \$20.95; SBA-301-2 400Hz \$21.95.

HEATH SB-310 9-Band Receiver (1969) Bandswitch selected 80,40,20 meter ham bands, 11 meter CB, 49,41,31,25,19 & 16 SWL bands. AM,CW and SSB reception. 5 kHz crystal filter supplied, optional SSB and CW filters available. Sensitvity .3 uv for 10db S+N/N ratio for SSB. External connections: Front panel: phones. Rear apron: antenna, mute 500 ohm audio output, speaker 8 ohm, 1 spare socket. 10 tubes, 13 diodes. For 105-125 or 210-250 VAC. 15x6-5/8x13½"D. Less spkr. Kit \$259. SB-600 spkr \$19.95; SBA-310-1 SSB 2.1 kHz filter \$23.95; SBA-301-2 400 Hz CW Xtal filter \$21.95 SBA-310-3 13 & 15M modification kit \$9.95.



HEATH "Single-Banders" SSB Transceivers: <u>Kit</u> HW-12 for 80-Meters, HW-22 for 40-Meters, HW-32 for 20-Meters. Price range \$119.95 ea.

Except for a cabinet change and some updating, very similar to the HW-12A, HW-22A, and HW-32A pictured and described below. Use the same power supplies and accessories described below for the updated HW-12A, HW-22A, and HW-32A.



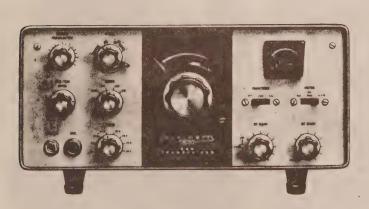
HEATH "Single-Banders" SSB Transceivers: Kit HW-12A for 80-Meters, HW-22A for 40-Meters, HW-32A for 20 Meters. Power RF input 200 Watts PEP; Xtal lattice filter for sideband generation; stability 200 Hz per hour after warm-up; carrier and unwanted sideband suppression -45db; Frequency coverage: HW-12A 3.8-4.0 mHz, HW-22A 7.2-7.3 mHz, HW-32A 14.2-14.35 mHz; rcvr sensitivity 1 uv for 15db S+N/N ratio; Operates LSB, USB; audio output 1 watt into 8 ohms; 14 tube heterdyne circuit; single knob tuning, with 2 kHz dial calibration; ALC; AVC; built-in S-meter, VOX, PTT. 64x124x10"D. Wt. 16 1bs. Price range: \$119.95(kit form). Less

power supply, speaker, PTT mike, ant. POWER SUPPLY AND ACCESSORIES: GH-12A Push-to-talk and VOX microphone \$8.95; Kit HRA-10-1 plug in 100 kHz crystal calibrator \$9.95; Kit HP-13A DC Power supply \$69.95; Kit HP-23A AC Power Supply \$51.95; Kit HS-24 Mobile speaker \$8.95



HEATH HW-100 5-Band SSB-CW Transceiver - 80 thru 10 Meter coverage, 180 watts PEP-SSB, 170 watts input CW, Switch selected USB, LSB, or CW; crystal filter 2.1kHz selectivity, full coverage all bands with 500 kHz per band segment; better than .5uv sensitivity, vernier dial mechanism, very stable with excellent image and IF rejection, built-in 100 kHz calibrator, triple ALC, built-in S-meter, fixed or mobile operation, built in VOX. 15x6-3/8x13-3/8"D. 18 1bs. Less power supply and speaker. Kit HW-100 \$250. Kit HP-13A DC power supply

\$69.95. Kit HP-23A AC power supply \$51.95. Kit SB-600 8 ohm speaker \$19.95.

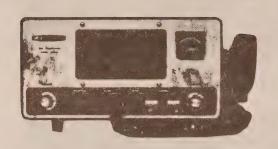


HEATH HW-101 5-Band SSB-CW Transceiver

"...better than the "Hot-Water 100"...
and a nickel cheaper" says their
ad describing these improvements and
additions: Improved receiver circuitry
now delivers .35 uv sensitivity for 10
db S+N/N. Improved dial drive mechanism: new ball-bearing drive assembly
provides a 36 to 1 knob to dial turning ratio...delivers 34 velvet-smooth
knob revolutions per 500 kHz band segment. Front panel switch selection of
2.1 kHz SSB or 400 Hz CW filters.

Other features the same as the HW-100 described above. "...a lot more rig for a little less money..." (Heath Ad).

Kit HW-101 \$249.95. Less PS, Spkr, Mic. Kit HP-23A AC supply \$51.95; Kit HP-13A DC supply \$69.95. SBA-301-2, 400 Hz CW filter \$21.95. SBA-100-1 mobile mount \$14.95. GH-12A PTT & VOX microphone \$8.95. HDP-21A grip-to-talk desk mike \$29.95.



HEATH HW-18 Series SSB Transceivers (all of similar construction and appearance as pictured left):

HW-18-1 CAP SSB Transceiver - Provides 200 Watts SSB input, 40 Watts AM. .005% frequency tolerance. 2 crystal-controlled channels. 2.1 kHz selectivity, .5 uv sensitivity. PTT mike, speaker & mobile mount included. Covers 4450 to 4650 kHz. Crystal filter sideband generation. 2 switch selected crystal channels. Less power supply (Uses HP-13A or HP-23A). Uses VTVM and dummy load for tuning (not supplied). 16 lbs. Price class: Kit HW-18-1 w/2 crystals (select from CAP Crystals listed below) \$119.95. Assembled HWW-18-1 w/2 crystals, \$179.95. CAP CRYSTALS: 4406, 4466, 4509, 4583.5, 4586.5, 4601, 4604, 4628.5, 4631.5 kHz \$4.95 each

HEATH HW-18-2 MARS Transceiver (see picture above) - A 4450 to 4650 kHz MARS transceiver, provides 200 watts PEP input on USB; 25 watts input with carrier for compatibility with AM stations. Crystal filter for sideband generation. 1 uv sensitivity, 2.7 kHz selectivity. 2 crystal-controlled channels, switch selected. PTT mike and mobile mount included. (Use HP-13A or HP-23A power supplies). Fixed tuned for simple PTT operation. Crystal filter IF. ALC holds output constant under varying voice levels. 15 lbs. Kit HW-18-2 \$109.95.

HEATH HW-18-3 160-Meter SSB Transceiver - 200 Watts input on LSB; 25 watts input with carrier for AM. Select either of two crystal controlled channels and push-to-talk. 1 uv sensitivity, 2.1 kHz selectivity. Relayless transmit/receive switching. Automatic Level Control(ALC). Less power supply (Use HP-23A or HP-13A). 16#1bs. Kit HW-18-3 \$109.95. (See picture above at top of page).



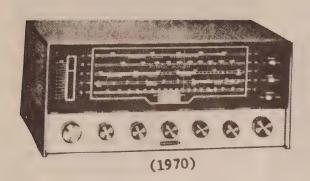
HEATH SB 100 SSB/CW TRANSCEIVER.

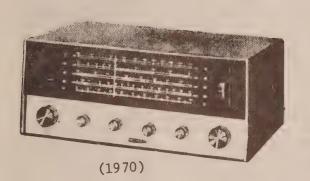
Covers 80 thru 10 meter ham bands. USB/
LSB Selectable, and CW. Receiver sensitivity 1 uv for 15db S+N/N ratio. Selectivity
2.1 kc at 6db down. Transmitter 180 watts
PEP/SSB input, 170 watts CW input. 50 to 75
ohm output impedance. PTT or VOX on SSB,
grid-block CW keying. Has CW sidetone. HiImpedance mic. input and phone patch input.
8 ohm and 600 ohm output impedance to external speaker or phone patch. Meter is
switched for receive S-meter, transmitter
tuneup and monitoring. 15x6-3/4x13½"D.
Use HP-23 AC Supply, HP-13 DC supply,
SB-600 Communications speaker. \$370.

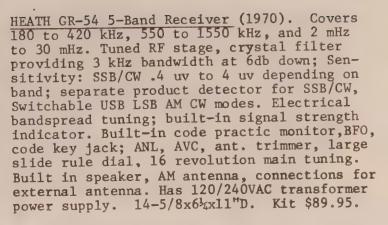


HEATH SB-101 5-Band SSB Transceiver - 180 Watts PEP SSB input, 170 Watts CW. 80 through 10 Meters. Switch selection of USB, LSB or CW. Built-in CW sidetone. Heath Linear Master Oscillator features 1 kHz dial calibration. Built-in 100 kHz crystal calibrator. Triple Action Level Control(ALC). Front panel selection of built-in 2.1 kHz SSB or optional 400 Hz CW crystal filters. Built-in VOX. Use fixed or mobile with appropriate power supplies(not furnished). Receiver sensitivity less than 1 uv for 15db S+N/N; 15x6-3/4x13½"D. 23 lbs. SB-101 \$370. SB-600 Com-

munications Speaker \$19.95. HP-23A AC Power Supply \$51.95. HP-13A DC Power Supply \$69.95. SBA-301-2, 400 Hz CW crystal filter \$21.95







HEATH GR-64 4-Band Receiver (1970). Covers 550 to 1620 kHz AM Broadcast band and 3 SW bands 1 to 30 mHz. Built in speaker, illuminated 7" slide rule dial. Signal strength indicator, variable BFO control, built-in AM antenna, external ant. connections, head phone jack. 120/240VAC transformer p.s., Bandspread, bandswitch, ANL, AF gain, has Q-multiplier input. 4-tube superhet plus 2 silicon diode rectifiers. "velvet touch" 16 revolution main tuning knob, electrical bandspread. 13\(^1\)2x6x9\(^0\)D. Kit \$42.50. Kit GD-125 Q-multiplier matches GR-64 \$14.95.



HEATH GR-78 6-Band Portable Receiver (1970). Covers 190-410 kHz and 550 kHz to 30 mHz continuous for a total of 6 bands switch selected. AM, CW, SSB reception, AVC, ANL, signal strength meter, built-in carrying handle, whip antenna and external antenna connections, muting connection, headphone jack, built-in 500 kHz calibrator. Runs on its own rechargeable nickel-cadmium battery with built-in charger. Sensitivity: .2 uv to 10uv depending on band; Selectivity 7.5 kHz at 6db down. Battery is continuously trickle charged when plugged into a 110VAC outlet. 6½x11½x9"D. 14 lbs. Kit \$129.95. Battery: 9.6 VDC Nickel-Cadmium rechgble.



HEATH SW-717 4-Band Solid-State Receiver (1970). Tunes .55 to 30 Mc continuous in 4 bands. Slide-rule tuming dial, band selector switch, band-spread tuming built in, tunes AM, CW, has variable BFO, front panel headphone jack, built-in speaker, external speaker connection. Switchable ANL, relative signal strength meter, built-in AM rod antenna, connection for external SW ant. Dual gate MOSFET mixer stage, ceramic IF filter for sharp selectivity, zener diode regulated oscillator power supply for stability. 120/240V AC transformer operated. 5-3/4x14½x8"D. Kit \$60.



HEATH HA-14 KW Kompact Linear Amplifier (1966).

1000 watts PEP input all bands 80 thru 10 meters. Uses 2 572B's in parallel in final. Clean signal with 3rd order distortion products -30db down. Has built-in SWR meter and antenna changeover relay. Broad band input circuits of 52 ohms impedance require no tuning. Output impedance 25-52 ohms. Operates class B with up to 100 watts of drive for 1000 watts PEP/SSB input. Has ALC. Less power supply. 3½x12½x10". 7 lbs. \$99.95 in kit form. Use HP-24 115/230VAC Power Supply at \$49.95 or HP-24 12.6VDC Power Supply at \$89.95.



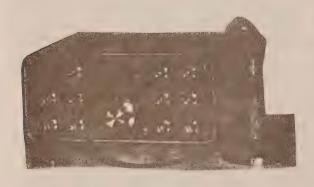
HEATH SB-102 5-Band SSB Transceiver - All of the performance of the SB-101 above plus these additional features: New Solid-State Linear Master Oscillator (LMO) resulting in greater stability and accurate tracking. New hotter receiver: less than .35 uv for 10db S+N/N; separate headphone audio level control independent of speaker volume; separate offset CW carrier crystal and built-in sidetone. Versatile "Locked" or "Unlocked" operation with SB-640 external LMO. A front panel switch permits selection of transceive

with the "102" or "640", receiving with the "102" and transmitting with the "640", or transceiving with the "102" or "640" on either of two crystal controlled freqs. $15x6-3/4x13\frac{1}{2}$ "D. 24 lbs. Kit SB-102 \$380. Kit HP-23A AC Power Supply \$51.95. Kit HP-13A DC supply \$69.95. SBA-100-1 Mobile Mount \$14.95. SBA-301-2, 400hz CW Xtal filter \$21.95.



HEATH SB-110 6-Meter Transceiver - 180 Watt PEP SSB input, 170 Watt CW input. Built-in VOX; upper & lower sideband or CW operation. Built-in 100 kHz crystal calibrator; oscillator mode switch for VFO transceive, Xtal control transcive, or xtal control transmit-VFO receive (ideal for net operation. 2.1 Kc SSB filter. Built-in CW sidetone. Includes the famous Heath Linear Master Oscillator (LMO) for 1 Kc dial calibration, accuracy and stability. Triple conversion circuitry. Receiver sensitivity .1 uv for 10db S+N/N ratio. AGC, PTT or VOX. 15x6-3/4x13½"D. Less power supply and speaker. Kit SB-110 23

1bs., \$320. Kit HP-23 AC-Fixed station supply \$39.95. Kit HP-13 Mobile DC Supply \$59.95. Kit SBA-100-1 mobile mounting bracket \$14.95. Kit SB-600, SB Series Speaker \$17.95. Kit HS-24, Mobile Speaker \$7.



HEATH SB-110A 6-Meter Transceiver - 180 Watt PEP-SSB input, 150 Watts CW input. Crystal lattice filter. Famous Heath Linear Master Oscillator(LMO). Full SSB-CW transceive operation on 6 meters. Switch selected USB/LSB/CW mode. Operates PTT & VOX. Separate offset CW crystal for pure CW note. ALC and ANL. Builtin 100 kHz calibrator. Built-in antenna switching. Covers 49.5-54 mHz with optional xtals. 1 kHz dial calibration. Fixed station or mobile operation. Receiver sensitivity .1 uv for 15 db S+N/N ratio. Selectivity 2.1 kHz 6db down. 15x6-3/4x13½"D. 23 lbs. Less power supply and speaker (mike pictured but not included). KIT

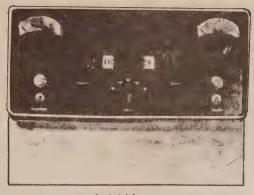
SB-110A \$299. Kit HP-13A DC Power Supply \$69.95. Kit HP-23A AC Power Supply \$51.95. Kit SBA-100-1 Mobile Mounting Kit \$14.95.



HEATH HW-7 CW QRP Transceiver (1972).

3-Band CW coverage: 15, 20 & 40 meter bands. 2-3 watts input, both built-in VFO or Xtal transmit capability. Pushbutton band selection, 6-1 vernier VFO tuning. Built-in sidetone and relative power meter.

Operates on any 12 VDC supply. Output impedance 50 ohm unbalanced. Receiver sensitivity less than luv for readable signal. Selectivity 2kHz at 6db down. Receives CW or SSB. Less than 100 Hz drift after 10 minute warmup. 4½x9½x8½"D. \$69.95, in Kit form. Kit HWA-7-1 supplies 12VDC from 120VAC line - \$14.95.



HENRY 2K Linear Amplifier (1964). 2000 watts PEP SSB, 1000 watts AM and CW for full legal limit. Utilizes 2 Eimac 3-400Z tubes. For SSB, CW, AM, FSK modes. Has high reliability mercury power relay, 20 mfd oil-filter condenser, 800 ma choke. 2K Floor Console w/self-contained power supply, cabinet size 29½x14-3/4x13½"D. \$675. 175 lbs. 2KD Desk Model w/external power supply \$645. 2KR RF Section only \$425.

(2KD Desk Model shown left)

(1964)



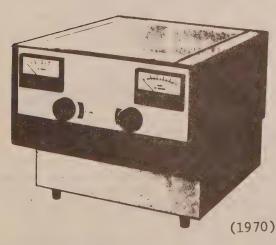
HENRY 2K-3 Linear Amplifier
(1200 watt nominal output), 1000 watts input CW-AM-FASK for full legal limit operation. Covers 80,40,20,15 and 10 meter bands with plug-in input on any frequency from 3.5 to 30 mc. 2 Eimac 3-500Z grounded grid triodes, 1000 watts plate dissipation. Pi-L plate circuit, silver plated tank coil; resonant cathode-pi input circuit for finest linearity, maximum drive; toroidal filament choke; built-in SWR bridge and relative output meter; overload relay; gear driven condensers; heavy duty 2500 volt DC supply, solid state rectifiers; 50 amp mercury power relay; double RF shielding for maximum harmonic attenuation. 52 ohms unbalanced output with SWR not to exceed 2 to 1. Antenna automatically transfers to exciter when power switch is off. Forced air fan cooling. 2K-3 Floor Console(shown) w/self-contained power supply and cabinet 29½x14-3/4x17½"D. 135 1bs. \$745.

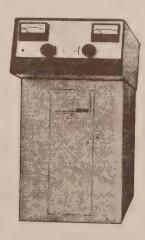
2KD-3 Desk Model w/external power supply, 13x14-3/4x17½"D, weight 35 lbs. \$745.

2KR-3 R.F. Deck in cabinet but without Power supply \$475.
(Note: 2 panel meters monitor final amp. plate voltage, plate current, grid current, RF output, and reflected power.)



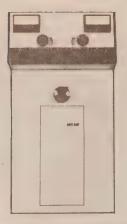
HENRY 2K-Ultra Linear Amplifier (1970) Full legal amateur input: 2KW PEP SSB, 1 KW CW-FSK. Continuous duty, covers amateur bands within 3.5 to 30 mc. Uses 2 Eimac 8873 tubes, conductively cooled, grounded grid triodes; 115/230VAC heavy duty power supply built in. Drive required: 50 to 100 watts SSB-CW. ALC circuit prevents exciter overdrive and boosts talk power. Output impedance 52 ohms unbalanced with SWR not to exceed 2:1. 52 ohms input. Meter switch to read various functions and voltages. Antenna automatically transfers to exciter in off position. Input power line fused with 15 amp circuit breakers. Also a cathode fuse and HV shorting switches on all removable panels. \$845.





HENRY 2K-4 Linear Amplifier (1970) 2000 watt PEP input (1200 watt nominal output) covering the 80 thru 10 meter amateur bands. Plug in modules permit operation on any frequency from 3.5 to 30 mHz. SSB,AM, CW, FM, RTTY emission. 115/230 3 wire single phase pwr supply included. Requires 80 to 150 watts drive. ALC circuit to prevent exciter overdrive and high talk power. Output 52 ohms unbalanced with SWR not over 2:1 Meter switches to show plate v., grid current, RF output and reflected power. 2 panel meters. 2 Eimac 3-500Z Grounded Grid triodes. Antenna relay automatically

transfers relay to exciter in off position. Forced air cooling. Circuit breakers, reset. 50 amp mercury power relay. Maximum legal amateur input all modes. RF shielding, TVI'd 2K-4 Floor Console w/P.S. self-contained, 32½x16x20"D. 135 lbs. \$795. 2KD-4 Desk Model w/external P.S. 14x16x18½"D. 35 lbs. \$795.



HENRY 3K-A Linear Amplifier (1972). Designed for Military/Commercial use but useable with the CX-7A Signal/One And similar transceiver/exciters for maximum legal power input. 3.5 to 30MHz, continuous duty, SSB, CW, RTTY or SSTV use. Employs 2 Eimac 3-500Z Grounded Grid Triodes, conservatively rated 3 KW PEP input SSB with efficiency range of 60% for an PEP SSB output in excess of 2000 watts. Has heavy duty power supply capable of 2000 watts for either RTTY or CW with 1200 watts output. Silver plated P-L tank, DC relays, ALC, built-in SWR bridge. Price \$995.

(1972)



HUNTER Cyclemaster 20A Transmitter (1948). Covers 3.5 to 29.7 mc. Output approximately 20 watts. Metering of final grid and plate circuits. Permeability Tuned Oscillator (PTO) and multipliers; built-in 100kc Crystal Calibrator; gang tuned oscillator and multiplier stages; individually lighted bands, variable output control. \$169.50 A band-switching exciter with control circuits for a 1 KW final amplifier.



HUNTER Bandit 2000A Linear Amplifier (1962). 80, 40, 20, 15 and 10 meter operation. Grounded-Grid, 2000 watts PEP input SSB/CW. Compatible with most 100 watt CW/SSB exciters. Self contained solid-state power supply, 115 or 230 VAC available. Relay operated with exciter controls. Relay controlled antenna transfer. All aluminum for maximum shielding. 14-3/4x6-3/4x14"D. 45 lbs. \$575. 160 watt driver PEP required for full output.



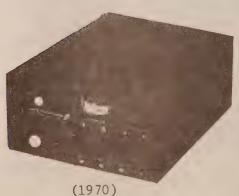
HUNTER L 1000A Linear Amplifier (1963). Medium power linear, 1000 watts PEP input. \$290. Separate matching L 1000 A Power Supply, \$186.



HUNTER Bandit 2000B Linear Amplifier Kit (1965). 2000 watts PEP SSB/CW, covers 80,40,20,15 and 10 meter bands. 115 or 230 VAC operation. Relay operated with exciter controls. Built-in power supply has solid state rectifiers. Kit less tubes \$249.95. Set of Cetron tubes \$58. Weight 45 lbs. Available in color to match Drake or Collins at no extra charge.



HUNTER BANDIT 2000C Linear Amplifier (1968). 2000 watts PEP SSB/CW input. Covers 80, 40, 20, 15 and 10 meter ham bands. Direct-reading wattmeter built in. Self-contained power supply. CW, AM, RTTY, SSB modes. Uses pair of 8163 tubes. Gray or black cabinet available and included, your choice. Wired and tested complete with tubes \$535. Kit form, less tubes \$329. Pair 8163 tubes \$60 if ordered with the kit. For 120 or 230VAC. 94x16x134"D. 57 lbs.



HY-GAIN "Afterburner-Plus" Linear Amplifier (1970). A bilateral amplifier which improves both transmitting and receiving. Rated 150 watts PEP input with only 3.5 watts drive. Automatically switched in/out from RF sensing units. AM/SSB/stand-by panel switches. Panel tune-up meter. Sw. selected pre-amp. when receiving weak signals if desired. Tunable over 27-54MHz range. 3-3/4x7x8". 12 lbs. Has internal pwr. Model #419 12VDC \$149.95; Model #420 115VAC

Base Station \$129.95
HY-GAIN "Afterburner" Linear Amplifier (1970). Standard
model same as "Afterburner-Plus" except does not have blateral feature (amplifies while transmitting only) and has
a lamp tuning indicator rather than a meter. Mobile Model
#404 12VDC P.S.\$129.95; Base Model #403 115VAC \$109.95.



VARITRONICS/INOUE FDFM-2 2-Meter FM Transceiver - 2 Watts output, 12VDC battery operation; 8 D cells or car battery with fused cable supplied; PTT microphone; 19 transistor superhet receiver; .3 uv gives almost complete quieting; adjustable squelch; meter gives signal strength or battery condition; 6 position channel selector switch (.34/.94 crystals supplied). Size 3x6½x7½". Wt. 4½ 1bs. \$250. Japan. ACCESSORIES: FM20BM Regulated AC Power supply and 20-watt RF Amplifier \$235. FM20M Snap-on 20-watt Mobile RF Ampli-

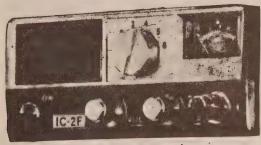
fier \$150. PS-1500 Regulated AC Power Supply \$44.95. BP-1 Portable Batt.Pack \$12.95.



VARITRONICS/INOUE Model FM20M Snap-on 20 Watt Mobile FM Amplifier \$150. (Snaps onto rear of the Model FDFM-2 FM Transceiver above).



VARITRONICS/INOUE Model FM20BM Regulated AC Power Supply and 20-Watt RF Amplifier \$235. (Used with the FDFM-2 FM Transceiver above.)



(1970)

VARITRONICS/INOUE IC-2F Deluxe Solid State 2-Meter FM Transceiver. FET front end; integrated circuits; electronic T/R switching; ceramic filters in IF; all Silicon transistors. 20 Watts RF input for 10 watts output. Includes speaker, large meter, Automatic Protection Circuit for final PA transistors. Operates on 12 VDC. S-meter serves as RF output meter. 6 channels, comes complete with microphone, mbile mtg bracket, crystals installed for 2 channels(.34/.94, .94/.94), power connector and plugs, and manual. 2-3/4x6½x7½". 4-3/4 lbs. \$299.95. Japan. Companion AC power supply/discrim. mtr IC-3P avail.

<u>VARITRONICS/INOUE IC-6F 6-Meter Solid State FM Transceiver</u> - Same appearance and features as IC-2F above except for 6-meters. Price \$269.95. Also uses companion AC power supply/discriminator meter IC-3P for base station operation.



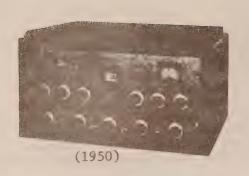
(1972)

INOUE (Adirondack Radio Supply, Inc. Distributer) IC-21 2-Meter FM Transceiver (1972). 24 channels (7 provided), selectable pwr output .1 to 10 watts. Receiver sensitivity .4uv/20db quieting, uses 5 helical resonators, 2 IF filters, trimmer caps on both Rx and Tx for all channels. Built in 110/220VAC and regulated 12VDC power supply. Has discriminator meter, netting switch, P.A. tuning control, S.W.R. Bridge on front panel. Modular construction. Has R.I.T. receiver offset, optional rcv VFO external plug in feature. Price class \$389. (Now also distributed by ICOM East and ICOM West, available other dealers, too.)



(1972)

INOUE IC-20 2-Meter FM Transceiver (1972). 12 channel capability with selectable .1 to 10 watt power option. MOSFET front end for .4uv/20db sensitivity. Trimmer caps on all channels both Rx and Tx for on-frequency control. Combination S-meter/output meter. Modular construction for ease in servicing. Uses 5 helical cavity resonators for selectivity, also 2 I.F. filters. Price class \$260.



E.F. JOHNSON Viking I Transmitter (1950). Rated 100 watts AM phone, 115 watts CW output. Bandswitched coverage of 160 thru 10 meter bands, Xtal or optional VFO control, pi-network output tuning, Modulator output is available at 500 ohms. VFO drive requirements 6 v. of 7.5 mc RF for 30 mcs, less for lower bands. 105-120VAC power supply built in. 4D32 final amplifier. Kit form, \$209.50 VFO Kit Model 240-122, matches Viking I, \$42.75. Viking I Desk Cabinet size: 11-1/4x15x21. 10 Xtal positions, all stages metered, Pierce oscil.



E.F. JOHNSON Viking Mobile Transmitter Kit (1952). Bandswitching on 75,40,20,15,11-10 meters. Up to 60 watts input at 600 V., 300 volts produces 30 watts input. 100% modulation. Selector for 4 Xtals and external VFO. For under-dash installation. All stages metered. For dynamic, xtal or carbon mike, PTT. 52 ohm output. 807 final, PP 807's modulator. 6½x7½x10½. 20 lbs. Kit \$99.50; Wired and tested \$144.50. Viking Mobile VFO kit \$33.95, Wired and tested \$49.95. Lighted vernier dial w/75-10 calib.



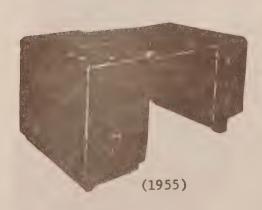
E.F. JOHNSON Viking II Transmitter Kit (1953). Bandswitching, covers 160 thru 10 meters. 180 watts input CW, 135 on phone. 100% AM modulation. Sockets for 10 xtals. TVI suppression. Ventilated cabinet w/bronze bonding strip. Power socket for external VFO. Ant. relay terminals. Pi-network output matches wide ant. impedances, provides up to 30db 2nd harmonic attenuation. Parallel 6146 finals, PP 807's modulator. For 110-120VAC, supply built in. 20x10 x13". 85 lbs. Kit \$279.50. Wired & tested \$337. Use Hi-Z mic.



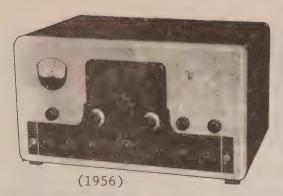
E.F. JOHNSON Viking Ranger Transmitter (1954). Bandswitching self-contained unit with 100% modulation, pin-network antenna load matching 50-500 ohms. Covers 160 thru 10 meters, 75 watts CW input, 65 watts phone. VFO or Xtal, complete TVI shielding & filtering. Separate calibrated bandspread dial scales for each of the 7 bands, 6 to 1 planetary dial mechanism. 15x11-3/4 x9". 54 lbs. Kit \$179.50. Wired \$250. Tube kit including the 6146 final \$19.92. 1955 modification features new sequence grid-block keying for perfect break-in operation. Kit with tubes \$214.50, Wired and tested w/tubes \$293. For 115VAC.



E.F. JOHNSON Viking Adventurer (1955). CW transmitter, operates on 80 thru 10 meters. Bandswitching, TVI suppressed with Xtal or VFO(external) control. Pi-network output, no antenna tuner needed. Shielded cabinet, TVI filters on AC & key leads; extensive by-passing. Power receptacle on rear for VFO, signal monitor, plug-in modulator, or for other equipment when xmtr is not operating. Meter switching for final grid or plate current. Oscillator and final keyed simultaneously for break-in operation. 807 final. For 110-120VAC. 7½x10½x8½"D. 17 lbs. Kit form only, \$54.95.



E.F. JOHNSON Viking Kilowatt Power Amplifier (1955) 1000watts CW, AM phone, SSB. Low power or maximum legal input limit selected by a switch. Continuous tuming from 3.5 to 30 mc with no coil change. Compact pedestal contains complete Kilowatt including RF power amplifier, modulator, power supplies, all control equipment. Entire unit rolls out of pedestal for easy adjustment or servicing. Requires 30 watts RF and 15 watts audio for AM, 2-3 watts peak for SSB from exciter (Ranger ideal). TVI suppressed and neutralized parallel 4-250A RF amplifiers. PP 810 modulators. Plate supply delivers over 2500 volts at 700 ma. Tamper-proof, key operated main switch. Operates from 105-120VAC or 210-240VAC. Without accessory desk: 29\2x19-3/4x32-7/8"D. 400 lbs. \$1595. Matching desk top and 3-drawer pedestal (right or left hand-specify) \$123.50



JOHNSON Valiant Transmitter (1956). Rated 275 watts SSB/CW(with auxiliary SSB exciter, 200 watts AM phone. Built-in temp. compensated VFO, or Xtal controlled. Complete bandswitching 160 thru 10 meters. Pi-network tank circuit matches 50-600 ohm antenna. TVI suppression, hi-gainPTT for hi impedance mic. low level audio clipping; built-in low pass audio filter. 3 - 6146 final amp, 2 - 6146 modulators. Self-contained 105-125VAC P.S. 11-5/8x214x17½. 83 lbs. Kit \$349.50, Wired \$439.50.



JOHNSON Pacemaker Transmitter. (1956). 90 watts SSB/CW input, 35 watts AM. TVI suppressed, single knob bandswitching 80 thru 10 meters. Built-in 3-4mc temp. compensated VFO, VOX and anti-trip circuits. Triple section 105-120VAC P.S. in same transmitter cabinet. Load virtually any antenna system. Power output 60 watts PEP all modes. 6146 final with pinetwork tank. Break-in CW. Panel meter for grid and plate current, also modulation and carrier balance. 5 xtals provide freq. heterodyne. SSB generated by phasing method for USB or LSB switched. 11-5/8x21x14½. 73 lbs. \$495.



JOHNSON Viking "500" Transmitter (1956). 500 watts PEP with 3 watt auxiliary SSB exciter. AM input 500 watts, 600 watt CW input. Xmtr in 2 units w/all controls in the RF section, power supply and modulators in separate cabinet. Exciter stages gang-tuned to stable VFO. Pi-L network for harmonic suppression. 2 meters monitor all important transmitter functions. Audio includes phone patch and low level clipping. Time-sequence keying for fast CW break-in. RF unit 11-5/8x21x14½, 115/230VAC Power supply unit 11x20½x15-3/4". Kit form \$75Q. Wired \$950.



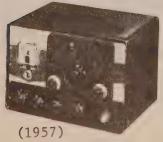
JOHNSON Viking "6N2" Transmitter. (1956). Bandswitching coverage of 6 and 2 meter bands. Uses power supply and modulator of an external low-frequency transmitter supplying 6.3v at 3.5 amps, 300v DC at 70 ma, 300-750v DC at 200 ma, plus 30 or more watts of audio. Input power: 150 watts CW or FM, 100 watts AM. Has silver plated tank circuit, link output, 5894 final, TVI suppressed. For 8-mc input, external VFO or Xtal. 13\frac{1}{4}x8\frac{1}{2}



JOHNSON Viking Thunderbot SSB Linear Amplifier (1957). 3.5 to 30 mc. bandswitching, provides 2000 wattsPEP/SSB, 1000 w. input CW 800 watts input AM linear. Drive requirements: 10 watts class AB2 inear and 20 watts CW. TVI suppression, shielding, double "L" section filters. Empbys two 4-400A tetrodes in parallel, bridge neutralized. Pi-network output matches 40-600 ohm load. 2 built-in cooling fans. Full metering of important operation phases. Power supply section includes 4 VR tubes for screen voltage regulation. For 115/230VAC. 115/8x21x144. 140 lbs. Kit \$525, W.\$590.



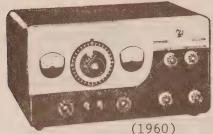
JOHNSON Viking Courier Linear Amplifier (1957). 500 watts PEP/SSB/CW, 200 watts AM linear. Continuous bandswitched 3.5 to 30 mc coverage. Drive requirements 5 to 35 watts. Single control for tank coil and plate tuning capacitor, pi-netwrk output to match 40-600 ohm loads, TVI suppressed. Two 811A's in final. Built in 110-120VAC P.S. 9-5/8x15½x14. 68 lbs. Kit form \$244.50. Wired \$289,50.



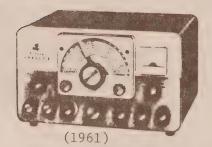
JOHNSON Viking Navigator Transmitter (1957). CW rig, 40 w. input, bandwitched coverage of 160 thru 10 meters. Built-in stable VFO, timed-sequence chirp-free keying. 2 Xtal provision on front panel. TVI suppressed, filtered, shielded. Pi-network matches 40-600 ohm load. Front panel meter reads final grid and plate current. 134x94x10. 27 lbs. For 110-120 VAC. Kit form \$149.50. Wired \$199.50.



JOHNSON Viking Challenger (1959). For fixed or portable operation. 70 watts phone input on 80-6 meters; 120 watts CW input 80-10 meters, 85 watts CW input on 6 meters. 2 bridge neutralized 6DQ6A tetrodes in final. Pi-network output matches 40-600 ohm antenna. Plate circuit capacitor switching for easy tune and loading. Socket for crystal or external VFO. Straight thru final amp. for efficiency. 15½x13½x12½. 31 lbs. 110-120VAC. Kit \$114.75, wired \$154.75. Instant bandswitching, TVI'd, for hi-Z mic.



JOHNSON "6N2" Thunderbolt (1960). RF Amplifier with continuous bandswitched coverage on 6 and 2 meters. Rated at 1200 watts PEP input SSB and DSB Class AB1; 1000 watts CW input class C and 700 watts AM linear, Class AB1. Drive requirements 5-6 watts. TVI suppressed, filtered, pi-network output. Uses 7034 tubes. Built in 110-120VAC P.S. Has internal blocking bias, VR, screen and bias supplies. 2 meters monitor operation. 21x11-5/8x16½. 140 lbs. Kit \$525, wired \$590.



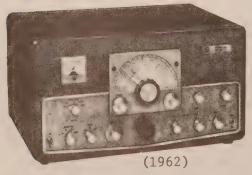
JOHNSON Ranger II Transmitter (1961). Phone and CW 6 thru 160 meters. 75 watts CW, 65 watts phone input. Built-in VFO or xtal control. Single knob bandswitching. Pi-network matches 50-500 ohm load. Time sequence keying. TVI suppressed. BUILT IN 110-120VAC Power supply. 15½x9½x14"D. 43 lbs. Kit \$250, wired \$360. For hi-Z mic. Has Grid block break-in keying, meter switching to read important functions, planetary drive mechanism for smooth tuning, temp. comp. VFO.



JOHNSON Invader Transmitter (1961). 200 watts PEP input SSB/CW, 90 watts AM. Bandswitching 80 thru 10 meters, built-in VFO, wide range pi-network output, VOX, PTT, chirpless mixer type keying. TVI'd. Self-contained 105-125VAC HD P.S. Two 6146 in parallel final bridge neutralized. 53 lbs. 11=5/8x21x17½"D. 53 lbs. Wired \$619.50. INVADER HI-POWER CONVERSION: Complete wired assembly including new front panel, cables, meter, tubes, remote power supply, etc. to convert Invader to Invader-2000. 115 lbs. \$619.50.



JOHNSON Invader-2000 (1961). 2000 watts PEP input rating with integral linear amplifier SSB, 1000 w. CW, 800 watts AM. Wide range output circuit 40-600 ohms. Uses 4-400A tubes. Quick power change from 200 to 2000 watts input PEP. Transmitter section is similar to the Invader: 80-10 meter coverage, built-in VFO, VOX, PTT, chirpless mixer type keying. TVI'd. Heavy duty 115/230VAC power supply in separate cabinet, multi-section P.S. with "push-pull" cooling system. RF cabinet 11=5/8x21x17½"D. 102 lbs. \$1229.

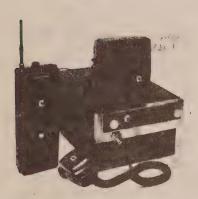


JOHNSON Valiant II Transmitter (1962). Bandswitching 160 thru 10 meter bands. 275 watts CW and SSB(with auxiliary SSB exciter), 200 w. on AM. TVI suppressed. Electrically operated timed sequence keying w/adjustable delay. High gain PTT audio system for hi-Z or dynamic mic. Low pass audio filter. Built-in stable VFO or xtal control. Separate bandpass calibration for each band. There are 3 - 6146 in parallel in final. 105-120 VAC. 11-5/8x21½x17½"D. Pi-network output, silver plated tank. Provision for plugin SSB Adapter without modification. Kit \$375. Wired and tested \$495. JOHNSON SSB Adapter \$370.



JOHNSON 10-Meter "MESSENGER" TRANSCEIVER. For fixed or mobile operation. Selection of 5 Xtal controlled frequencies from 29.4 to 29.7 MHz. 10 tubes. Superhet rcvr with AVC, ANL, squelch. Final input power 10 watts AM phone to a 7061 final amp. Pi-network output. 5-5/8x7x11½ D. 17 1bs. Operates 115VAC or 12VDC. Furnished w/PTT mic. and Xtals for 1 freq. \$139.75. Under dash mounting kit \$2.50

JOHNSON 10-METER "PERSONAL MESSENGER" TRANSCEIVERS. 1 Watt input, 11 transistors, 4 diodes. 2-stage transmitter. Superhet receiver with ANL, ACV, and squelch. Uses rechargeable nickel cadmium battery. \$130. 100 Milliwatt "PERSONAL MESSENGER" similar to above \$109.50.



JOHNSON 504 "Fleetcom" 2-Meter FM Transceiver - 7 Watts output, 5 kHz deviation, 24 mHz crystal controlled oscillator, freq. stability: receiver .001%, Transmitter .0005% -30 to +60° C; transmitter crystals oven heated; output filter network reduces harmonic and spurious output to -60db below signal. Receiver sensitivity: .2 uv for 20db quieting; ANL excellent; image and spurious responses -90db down; dual gate MOSFET RF control amp, JFET first mixer. Squelch gain control. 2½x8x11½"D. 6 lbs. Power requirements: 13.5 VDC, 0.3 A receive, 1.8 A xmit. Price class \$495. Johnson 504 Base-Station Power Supply 117 VAC, 50/60cy, 60 watts maximum, including speaker, \$50. (A separate mobile speaker is available as an accessory).

JOHNSON 526 "Fleetcom" 2-Meter FM Transceiver - same as 504 but 60 watts output. Mobile \$657.50 w/mic, spkr, mtg. hdwe; Base Station \$683.50 w/desk mic, 117VAC P.S.

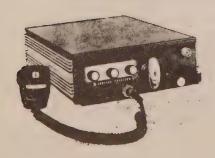
JOHNSON 540 Hand-Held 2-Meter FM Transceiver (shown pictured above). 25-stage rig with single conversion, crystal filter, .5 uv signal produces 20db of quieting, squelch, 5 kHz audio passband. Transmitter output 2 watts unfiltered. Includes a built-in rechargeable battery pack and 117 VAC plug-in-outlet charger. A miniature meters monitors battery condition. 8½x3-3/8x2"D. Wt. 28 ounces. Power requirements: 12.6 VDC, .075 A receive, 0.45 A transmit (power supplied by internal rechargeable battery). Price class \$500.



JOHNSON "Fleetcom" 580, 582, 680, 682 Mobile FM Transceiver series: Tube type transmitter and receiver. Spkr and power supply in control head. Drop front case. Optional standby switch, "Call Guard" tone squelch, one or two channels, front or trunk mounting, and hand held microphone. Select Xtal freqs. within 30-54 or 132-174Mc.

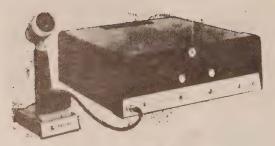
Model 580, 30-54 MHz, 50 watts. Model 680, 30-54 MHz, 100 watts. Model 582, 132-174 MHz, 50 watts. Model 682, 132-174 MHz, 100 watts.

Model 592, 132-174 MHz, 30 watts, Solid-state receiver, tube transmitter.



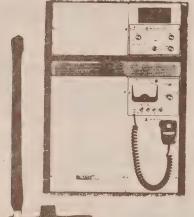
JOHNSON "Transcom" 910, 915, 930, and 935 Mobile FM Transceiver series: Fully transistorized except for single tube in 915 and 935 output. External speaker. Optional "Call Guard" tone coded squelch, noise blanker, dual front end on receiver and "Channel Seeker" 2-channel simultaneous monitoring. Also optional hand held mic, dash mounting with universal mounting kit and trunk mounting with 18' control cable. One to four channels; Select Xtal freqs. within 30-54 or 132-174MHz.

Model 910, 30-54 MHz, .25 uv sensitivity, 45 watts output Model 915, 30-54 MHz, .25 uv sensitivity, 120 W. output Model 930, 132-174 MHz, .35 uv sensitivity, 30 w. output Model 935, 132-174 MHz, .35 uv sensitivity, 100 w. output



JOHNSON "Basecom" 580, 680, 582 and 682 Base FM Transceiver series: Tube type transmitter and receiver. 117 or 234 VAC. Optional "Call Guard" tone squelch and desk mic. One or two channels. Select Xtal freqs. within 30-54 or 132-174 MHz.

Model 580 Base Station, 30-54 MHz, 50 watts output Model 680 Base Station, 30-54 MHz, 100 W. output Model 582 Base Station, 132-174 MHz, 30 W. output Model 682 Base Station, 132-174 MHz, 75 W. output



JOHNSON "Basecom" Rack Mounted 917, 918, 937 and 938 Base Station FM Transceivers series: Fully transistorized except for single tube in the 918 and 938 output. 117 or 234 VAC. Optional "Call Guard" tone squelch, solid state timer and hand held mic. Available as repeater. One to four channels. Select Xtal freqs. within 30-54, 132-174MHz.

Model 917 Base Station, 30-54 MHz, 45 watts output Model 918 Base Station, 30-54 MHz, 120 watts output Model 937 Base Station, 132-174 MHz, 30 watts output Model 938 Base Station, 132-174 MHz, 100 watts output

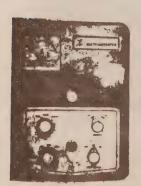


JOHNSON FM 543 2-Way Portable Radio with Selective Call - 132-174 MHz, 1.5 Watts RF power, rechargeable and dry cell battery, tone volume adjusts with audio volume control; can operate 4 ways: handheld unit with self-contained speaker-microphone; as belt worn portable with separate mic or speaker-microphone; as a mobile unit with the mobile mtg. rack/battery charger; as base station using the 121 VAC operated base station mounting console with battery charger. Can be used as simple transceiver or as a paging receiver with "talk back' capability. Sensitive receiver, efficient 1.5 watt transmitter permit long range paging and 2-way communication. Dimensions with battery pack 8½x3-5/8x1-13/16 D. Wt. 30 ounces. Many accessories available to facilitate flexible 4-way usage.



JOHNSON FM Monitor Receiver (1972). Non-scanning one-ata time coverage of 5 channels. For mobile use, powered by 12VDC, field battery pack, or from optional AC Power supply. All solid-state, dual conversion, crystal filter, noise-operated squelch, built-in speaker w/5 watts audio output, external speaker jack. Designed for the 150-174 MHz band. Has SO-239 antenna connector. \$119.95.

NOTE: Earlier Johnson equipment not previously available to us to include:



Johnson Model 6N2 Transverter (1963). Converts a 10 meter signal from an external transmitter to the 6 or 2 meter bands thru freq. conversion and linear amplification. Input 5w minimum to 50w max. for greatest efficiency, but has built-in dummy load to dissipate transmitter power up to 75w on 6m, 60w on 2m. Bandswitch, all modes, 50 ohms 2:1 SWR maximum output. Stability .005% crystal in regulated oscillator. Suppression 55db or better below SSB output. 6146 final linear amplifier tube. Requires 115VAC 50-60 cycle AC, 150 watts. 8x11½x14"D. Ventilated cabinet & chassis.







KENWOOD (Henry Radio) R-599 Solid State Receiver (shown at right). 1.8 to 29.7 MHz amateur bands. .5 uv sensitivity. Dial readout to 1/2 Kc. Special AM, FM and SSB detectors. Transceive operation with T-599. Built-in 100 and 25 kc crystal calibrator. Built-in 500 cycle CW filter. Provision

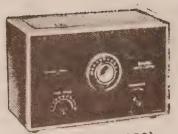
fir 2 and 6 meter coverage with optional accessory self-contained converters. Adjustable threshold squelch. Less speaker. \$298. S-599 Speaker \$14.50. CC-29 2-meter converter \$29.50. CC-69 6-meter converter \$29.50. Imported from Japan.

KENWOOD T-599 Transmitter (shown at left above). Selectable sideband, AM & CW. 4-way VFO flexibility plus Receiver Incremental Tuning(RIT) when used with the T-599. Amplified ALC. Built-in VOX. Full metering including cathode current, plate voltage, ALC and relative power output. Built-in CW Sidetone monitor and semi-automatic beakin CW. Built-in power supply. TVI'd. Employs only 3 vacuum tubes (Hybrid Xmtr circuit). Price \$345. Imported from Japan. Can be used transceive with the R-599. Imported from Japan. Can be used transceive with the R-599.



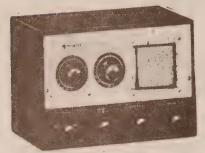
(1970).

KENWOOD TS-511S 5-Band SSB Transceiver - Covers 80 through 10 Meters LSB, USB, CW. 500 Watts PEP input SSB, 300 Watts CW nominal input. Built-in VOX. crystal calibrator, noise blanker, receiver incremental tuning(RIT), 1 kHz readout, 8 pole filter, stable FET VFO, dual conversion and accessory CW filter. Receiver sensitivity .5 uv S/N 10db, less than 100 cps drift. Selectivity 2.4 kHz at 6db, CW .5 kHz at 6db. 10 tubes, 1 IC, 37 Transistors, 52 Diodes, 4 FET. Less power supply and speaker. Price class: \$398. ACCESSORIES: AC Power Supply with built-in speaker \$105. External VFO \$99.



(Before 1958)

KNIGHT ELECTRONICS CORP. (A Subsidiary of Allied Radio)
KNIGHT-KIT "Ocean Hopper" Receiver Kit (c.Before 1958) - BC
and SW Regenerative Receiver - Covers 165 Kc to 35 Mc with suitable plug-in coils. Has a large main tuning knob and electrical bandspread. 3-Tube AC/DC circuit, includes regeneration control. Can drive 3-4 ohm speaker on strong local signals. 6x9½x5". 6 lbs. Supplied with Broadcast band plug-in coil. \$16.95. Extra SW coils 1.65 thru 35 Mc in 4 bands 79¢ ea. Long Wave 165-540 Kc 79¢.



(Before 1958)

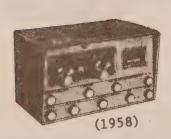
KNIGHT-KIT "Space Spanner" 2-Band Receiver Kit (Before 1958) - BC and 6.5 to 17 Mc SW coverage (40 and 20 meter bands). 2-Band switching sensitive Regenerative circuit. Built-in 4" PM speaker; Main tuning dial, bandspread, regeneration control, volume, bandswitch. 105-125V AC/DC operation. 7x10\(^1\)2x6". 7\(^1\)2 lbs. Complete parts w/tubes, \$19.95.



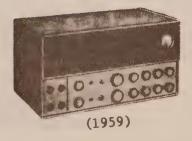
KNIGHT-KIT "Span-Master" 4-Band Receiver Kit (c.1958). Covers AM Broadcast and SW to 30 Mc. Bandswitching sensitive regeneration receiver. Bandspread dial, regeneration control, coils for each tuning range with own antenna windings for maximum sensitivity. Headphone terminal and built-in speaker cutoff switch. AC power transformer, operates 105-120 VAC. 6-3/4x14x6\frac{1}{2}". 8 1bs. \$25.95.



KNIGHT-KIT Model T-50 CW Transmitter (c.1958) - 50 watts input to 807 tube final; Bandswitching 80 thru 10 meters. TVI suppression. Pi Antenna Coupler. Operated crystal or external VFO. Cathode keying of oscillator and final. Pisection output matches 50 to 2000 ohm ant. impedances. Provision for external AM modulator. Front panel VFO and Xtal sockets, key jack. 8 x10 x8 2". 18 lbs. For 105-125 VAC operation. Less crystal and key, with all parts and tubes. \$39.95. Model V-44 VFO Kit \$29.95.



KNIGHT-KIT Model R-100 Amateur Receiver (c.1958) - Covers 540 Kc to 30 Mc in 4 ranges; calibrated electrical bandspread on Ham bands 80-10; built in Q-multiplier; delayed AVC; built-in noise limiter; provision for building in xtal calibrator accessory; printed circuit bandswitch; variable selectivity 300 cps to 4.5Kc; constant-running HFO for stability; vernier dials; Sensitivity from .5 on 80m. to 1.5 uv on 10m. for 10:1 S/N ratio. Exalted BFO injection. 10x10-3/4x16". 30 lbs. Less speaker and S-meter, complete with tubes \$104.50. Model S-8 matching 4" speaker \$7.50. M-5 S-Meter Kit \$10.85 (R-100 is shown w/S-meter installed).



KNIGHT-KIT Model T-400 Transmitter Kit (c.1959) - Basic unit is 400 watt input CW transmitter with 7034/4X150A final. Modular Add-in Accessory units can be built in for AM, SSB and CW modes. 400 watts input on AM, 600 watts input PEP/SSB. Blower cooed final tube for heat dissipation. Covers 80 thru 10M, plus 6 meter accessory conversion kit. Built-in heterodyne VFO, 14" slide rule dial, TVI suppression, pi-network output impedances 30-600 ohms. Meter reads final grid, screen and plate current, RF output. 12x 24x20". 140 lbs. For 115-230VAC. \$395. SSB Generator \$69.95; AM Modulator \$24.95; Low Level Speech Amplifier(required for AM or SSB) \$9.95; Modulation Monitor Scope (3" CRT) \$37.95. 6 Meter conversion kit \$7.50.



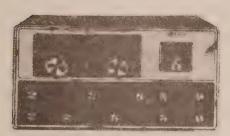
(1960)

KNIGHT-KIT Model R-55A 5-Band Receiver Kit (c.1960) - Tunes AM Broadcast and Shortwave from 530kc to 36mc plus VHF 47-54mc. 6 illuminated scales callibrated for 80 thru 6 meter Ham bands. Flywheel loaded main tuning and bandspread. AVC, variable BFO, noise limiter; ant. trimmer. Built-in spkr; 110-130V AC Xfmr power supply. Front panel headphone jack. Superhet., 2 IF stages at 1650kc for high image rejection. Provision for building in accessory xtal calibrator. Stand-by rear terminals for external relay or switch. 8x14 x11". 22 1bs. \$67.50. 100-kc calibrator kit \$10.95.



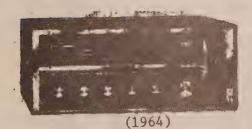
(1961)

KNIGHT-KIT Model T-60 6-Band CW/AM Transmitter (c.1961) Covers 80-6 Meters; 60 watts CW/Peak AM input; pi coupler to match 40-600 ohm antenna; clean simultaneous keying w/bias resistor; "tune" position to protect 6DQ6B final during tuneup; TVI suppressed. Requires VFO or xtals(\$2.95 ea.) 5x12x7". 17 lbs. Rectifiers Silicon in 110-130V AC Supply. \$54.95.



(1962)

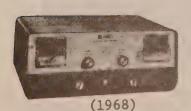
KNIGHT-KIT Model R-100A Communications Receiver
Kit (c.1962) - Sensitivity .5 uv to 1.5 uv for 10db
S/N. Variable selectivity from 300cps to 4.5kHz;
covers 540kc to 30mc in 4 switched ranges; electrical bandspread 80-10 meters. Built-in Q-multiplier
on CW/AM/SSB to null QRM with 60db notch, or to
peak signals 70db. REgulated B+; tuned RF stage;
exalted BFO, RF gain control; ANL; AVC; antenna
trimmer. Planetary drive; printed circuit bandswitch with provision for building in accessory
callibrator and S-meter Kits. For 110-130V AC.
9½x17½x9-5/8". 31 lbs. Less spkr \$99.95. S-8A spkr
kit \$9.95; S-Meter kit \$12.95; X-10 100kc cal.\$10.95



KNIGHT-KIT "Star Roamer" 5-Band Receiver Kit (c.1964) 5-bandswitched bands cover 200 to 400kc and 550kc to 30mc. Illuminated S-meter, electrical bandspread; IF sensitivity control, code key jack, AVC, ANL, built-in 4" spkr, headphone jack, atenna trimmer, illuminated 7½" sliderule dial. For 110-130VAC. 13 lbs. 5½x12½x8". \$39.95.



KNIGHT-KIT Model T-150 Transmitter - (c.1967) - 150 Watts CW/peak AM input 80 thru 10 meters, 100 watts on 6 meters Stable VFO, illuminated dial, planetary drive; socket for optional xtals; controlled carrier screen modulation; 600 ohm to 40 ohm antenna matching pi-network; parallel 6146's in final; TVI suppressed; switched meter reads buffer, final grid, final plate currents and RF output; VFO spotting switch; clean chirpless keying w/no high voltage at key. B+ voltage regulated, silicon diode 110-125VAC Power supply. 8½x17x10½" 28 lbs. Less mike, key, xtals. \$119.50.



KNIGHT-KIT Model T-175 Linear Amplifier for 6 or 10-meter AM and CW Transmitters (c.1968) - Input power of 150 watts CW, 120 watts AM. Requires drive of 1-7 watts CW, 1-4 watts AM. 2 illuminated meters for plate-current and grid-current/relative power. Automatic antenna changeover circuit for AM and low-speed CW. Built-in cooling fan. Standard SO-239 coaxial connectors. Input impedance 50 ohms. Output 50-70 ohms pinetwork. 5½x13½x11". 22 lbs. Coils supplied for 26.960-29.700 MHz and 50-54MHz; Operates on 110-130 V AC. \$99.95.



KNIGHT TR-106 6-Meter Transceiver Kit - Covers 50-52 mHz, 15 watts input, stright through final amplifier, plate and screen modulation, crystal control or VFO. Nuvistor RF and crystal-controlled mixer stages are factory-assembled and aligned. Dual conversion receiver, .5 uv sensitivity. AVC, ANL, Separate AF and RF gain controls, freq. spot switch, illuminated "S"/RF meter, vernier drive tuning, built-in front mounted

speaker. Pi-network matches 30-90 ohm antennas. Built-in solid-state 110-130 VAC and 12VDC power supply, and PTT mike. $5\frac{1}{2}$ x13x11". 22 1bs. \$119.95.

KNIGHT TR-108 2-Meter Transceiver Kit. As above, but covers 144-148 mHz. Has tube type RF stage . Sensitivity 1.0 uv. \$119.95.

ACCESSORIES FOR TR-106 and TR-108: Base for Desk-Top Use \$5.95; 6M Crystal. Specify 8340-8450 kHz...\$2.95; 2-M Crystal. Specify 8000-8222 kHz...\$2.95. Mobile Mount-\$5.95. V-107 VFO Kit for 6 and 2 meters \$24.95.



KNIGHT-KIT Model R-195 Communications Receiver (c.1969) - 5-Band receiver covers 200 to 420kHz, 540kHz to 30MHz. Sensitivity 2 uv for 10db S+N/N ratio on low band A. Selectivity 4.5kHz bandwidth at -6db. 455kHz IF frequency. BFO; product detector SSB operation; solid state with tuned RF stage; ANL; Bandspread on 80-20 meters; AVC; Receives AM, CW, SSB modes. Large illuminated slide rule dial and accurate bandspread dial with velvet-smooth tuning drive. Adjustable S-meter; Remote

receiver muting connections. Built-in 4" speaker; headphone jack. Built-in AC supply with 12VDC operation provision. Modular concept for easy construction. FET front end, ceramic IF filter for selectivity. 5½x13½x11". 10 lbs. Price \$99.95.

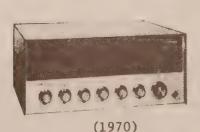


KNIGHT A-2517 5-Band SSB/CW Transceiver - 80 through 10 Meters. Hybrid circuits to reduce current drain, lessen heating. 2 IF bandwidths: 2.4 kHz and 500 Hz; 1 kHz dial readout; 25 kHz calibrator markers; RIT: Receiver Incremental Tuning; Metering of high voltage, RF output, plate current, ALC, and S-Meter function. Crystal filters provide excellent skirt selectivity. Stable VFO with provision for external VFO. Power output 80 Watts PEP. Clean keying, fast attack VOX. 7x13x13-3/4"D. 21 lbs. Less power supply and speaker.

Price class: \$400. AC power supply/speaker A-2518 in matching cabinet is available as is a companion external VFO A-2519.



KNIGHT-KIT Science Fair "Globe Patrol" 4-Band Shortwave Receiver Kit (c.1970) - AM Broadcast, three SW Bands 1.5 to 30mHz. PC board construction, solid-state circuitry. Tunes AM plus 1.5-4.5, 4.5-13, 13-30 mHz SW bands. Has bandspread control, earphone jack, easy-to-read dials, up-front controls. Battery operated, assembles with 5 common tools. Manual, 4 pages electronic theory. 51x9x4" 6 lbs. Requires 4 C batteries. Price \$19.95. (Good beginners construction kit & basic theory).



KNIGHT-KIT "Star Roamer II" AM/Shortwave Receiver Kit - (c.1970) - Solid-state version of popular "Star Roamer". Tunes BC band, Long wave, and 3 SW bands. Covers 200-400 kHz, BC, 1.8 to 30mHz in 3 bands. FET front end 1.5 uv sensitivity; integrated circuits; Switch selects AM/CW/SSB reception. Calibrated bandspread for 80-20 meter reception. Illuminated S-meter, AVC, IF sensitivity control; ANL. Built-in 4" speaker, front panel headphone jack. Code key jack for code practice. AC power supply with provision for 12 VDC operation. 7½" slide rule dial. Features Modular construction with most parts factorymounted on PC boards. 5½x12½x8". 12 lbs. Has built-in AM BC antenna. \$69.95.





KW ELECTRONICS KW 201 Receiver 11 ranges cover the amateur bands from 1.8 to 30 mc. SSB receiver, includes a mechanical filter for 3.1kc IF selectivity at 6db down, separate detector for AM, xtal controlled 1st mixer, Xtal controlled BFO, stable VFO, slide rule vernier dial illuminated, accurate to 1 kc in calibration, S-meter, LSB/USB indicator. Sensitivity 1 uv for 20db S/N. Built-in speaker, receiver muting from Xmtr by internal bias. 13-3/4x6x12½. 19 1bs. (KW ELECTRONICS LTD, Great Britain)

WW ELECTRONICS Vespa SSB Transmitter Mk. I
Operates 11 bands 160-10 meters. Mechanical filter
provides passband for SSB generation. Carrier suppression 50db. Internal antenna switching. USB/LSB
selector switch. AM, CW, SSB modes. Hi-Z mic. input.
6146 P.A. final. SSB 90 watts PEP, CW 75 watts, AM 45
watts input. Has Send/Receive lever switch, separate
chassis power supply solid state rectifiers for 105125VAC or 200-250VAC. Has built-in VFO. 13-3/4x6x10½"
D. (P.S. 8x6x10½".) 18 lbs. Matches KW 201 Receiver.

KW Vespa Mk. II SSB Transmitter. Same as Mk. I except P.A. Final tube is a 6HF5 with 220 watts PEP SSB input, 150 watts CW, and 60 watts AM. Higher Voltage and heavier duty power supply for 110-115VAC or 210-240VAC. Matches KW 201 Receiver.



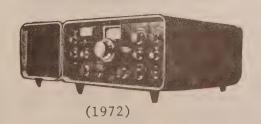
KW ELECTRONICS KW 600 Linear Amplifier for use with KW2000A Sideband transceiver and other exciter transmitters. Part of the "G" Line.

(no further information available at present)



KW ELECTRONICS KW 1000 Linear Amplifier. SSB or CW linear employing pair of T 160L tubes (similar to 572B with improved heater) in grounded-grid with Pi-net input matching circuits for each band. 40 watts drive for 1000 watts CW and 1200 watts PEP/SSB. Operates 80 thru 10 meters. Automatic antenna switching, Pi-section filter. Almost instantaneous heaters. Has built-in SWR bridge & meter. 2.4KV Power supply, metering of P.A. plate current, high voltage, and SWR. Tube cooling fan, screened

P.A. stage, DC operated internal change-over relay. For 105-120VAC or 210-240VAC.. 12 x6x13 12. W. Lift-top lid cabinet. 40 lbs. Has adjustable output impedance for loading.



KW ELECTRONICS KW202 Receiver (1972). Covers 160 to 10 Meters. SSB, CW, AM modes. Has Q-multiplier and Xtal Calibrator built-in. For 120VAC operation. Less speaker \$395. Matching speaker \$28.50



KW's "Atlanta" 5-Band SSB/AM/CW Transceiver - KW Electronics, Ltd., Gr. Britain. 500 Watts PEP-SSB input, 350 Watts CW, 125 Watts AM. Covers full 10 thru 80 plus adjacent MARS. Selectable USB/LSB. Grid block keying CW; ALC. Receiver sensitivity. 5 uv for 10db S+N/N ratio. Selectivity 2.7 kHz at 6db down. Transmitter carrier and sideband suppression better than -50db each. Distortion products down -30db. Built-in Xtal calib. Smooth, precision dual speed tuning dial. 10½x5½x13½"D. 18 lbs. Less power supply and speaker. Price class \$475. ACCESSORIES: Speaker/AC solid state power supply \$95. External VFO for split freq. operation \$135. Mobile 12 volt DC Supply \$120. KW VOX control free.



KW 2000A SSB Transceiver - 10-160 Meters, mobile/fixed operation; 180 Watts PEP; mechanical SSB passband filter; independent transmit & receiver freq.; USB, LSB and CW included; Side-tone monitor for CW. Reception of AM signals is possible by the "exalted carrier" principle. KW I.R.T. and I.T.T. circuitry provides a tuming facility + or -6kcs from the frequency indicated on the dial for both transmit and receive; or by a flick of a switch normal transceive whereby transmit and receive take place on the same freq.; ALC; 180 Watts PEP SSB, 150 CW; panel meter serves as S-meter on receive, PA cathode current on transmit. Receiver Xtal controlled 1st mixer, sensitivity luv for 500mw output; SN:luv for 17dbSN ratio;

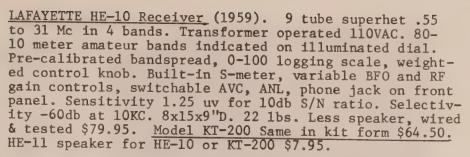
Receiver sensitivity 2.1/2.6 kc at 6db. Voice control(CW break-in) on transmit. Operates on 12VDC, with AC power supply inside the separate matching speaker cabinet. Size 13-3/4x6x12½"D. 18 1bs.



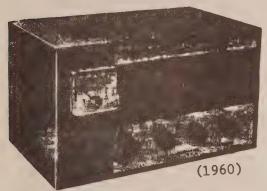
KW 2000B SSB Transceiver - 10-160 Meters, mobile/fixed operation; 180 Watts PEP SSB, 150 Watts CW: MECHANICAL SSB Pass band filter; independent transmit & receive frequencies through KW I.R.T. and I.T.T. circuit, or true transceive on same freq. operation; 12VDC transistor power supply; separate AC power supply/speaker for fixed operation; 2-speed vernier control; built-in VOX; 100KHz Xtal calib.; pnel meter doubles as "S-meter" on receive, PA cathode current on transmit; ALC; CW break-in voice control is included. Receiver sensitivityluv for 500 mW output; SN luv for 20db S/N. 2.1/2.6 kc selectivity. 14x6 xl3½"D. 18 lbs. \$699 with supply/speaker. (Switch on both AC & DC to conserve power)







LAFAYETTE HE-30 Receiver (1960). 9 tube superhet .55 to 30 mc in 4 bands. 1 RF + 2 IF stages, illuminated slide rule dial, built-in Q-multiplier, antenna trimmerm Calibrated electrical bandspread on 80 thru 10 m. 0-100 logging scale. ANL, AVC-MVC selector on front panel, stable oscillator and BFO; built-in edgewise S-meter. SSB, AM, CW reception. Sensitivity: 1 uv for 10 db S/N ratio. Selectivity ±0.8 Kcs at -6db with Q-multiplier(included). 7x15x10"D. Less speaker, wired \$99.95. Model KT-320 Same in kit form \$79.95. HE-48 Spkr \$7.95.



LAFAYETTE HE-25 "Voyager" 6 to 80 Meter Transmitter (1960). Single knob bandswitching 6-80 meters. 120 watts CW, 70 watts phone. Filtered and shielded for TVI. Self-contained 115VAC P.S. Fixed, mobile, or postable operation possible. Pair bridge-neutralized 6DQ6A's in class C straight thru final. Hi-Q pi-network output to match 40-600 ohm loads. Hi-Z mic. 6AQ5 clamp tube modulator up to 100%. Simultaneous oscillator and buffer for break-in CW keying, LC network for clean CW signal. L-section line filters for TVI suppression. Power socket on front panel will accept external VFO. 14-5/8x8½x9½"D. \$110.



LAFAYETTE HE-40 Receiver (1961). General coverage .55-30 Mc receiver. Electrical bandspread, AVC, S-meter, ANL, BFO and internal speaker. 6x13³2x8-3/4"D. 12 lbs. \$49.95.

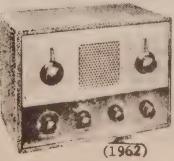


LAFAYETTE HE-80 Receiver (1962). 5 Bands .55 to 30 Mc and 48 to 54 Mc for Broadcast Band thru 6 meter communications coverage. Dual conversion on 6 meters. RF stage, product detector for SSB, separate BFO and Q-multiplier circuits; crystal calibrator, ANL, VR power supply for 115VAC. Calibrated amateur bandspread 80-10 meters, S-meter, 14 tubes. 7½x17x10"D. Less speaker \$139.50. (Imported)



LAFAYETTE KT-390 "Starflite" Transmitter (1962).

90 watts peak input CW or phone 80 thru 10 meters. Crystal or external VFO control with 5-position crystal switch selector on front panel. Single-knob bandswitching. Controlled carrier modulation to 100%. Grid-block keying chrip-free. Bridge neutralized 6146 final. Illiminted edgewise meter indicates final grid or plate current. Pi-network output matches 50-72 ohm coax load. 3-stage low pass filter for harmonic and TVI suppression. 105-125VAC Power supply built-in. 134x64x12"D. Kit form only available as KT-390WX \$69.50. (Made USA)



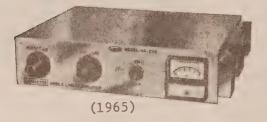
LAFAYETTE KT-135 "EXPLOR-AIR" Receiver Kit (1962). 4 Band coverage .55 to 30 Mc. Bandswitching from front panel. Has bandspread, built-in 4" PM speaker, 115V AC-DC power supply with 50C5 audio output tube. Phone jack disconnects the speaker. Approx. 10x7x5"D. Simple kit with pre-wound coils. Uses sensitive regenerative circuit to receive CW or phone. KT-135 "Explor-Air" Receiver Kit \$21.95, chassis and front panel only. ML-150 leatherette covered cabinet available.



LAFAYETTE HA-63 Receiver (1963). 4-bands cover .55 to 31 Mc. Electrical bandspread 80 thru 10 meter bands. 7 tubes superhet., RF amplifier, 1.5 uv sensitivity, 3-section tuning capacitor, antenna trimmer, AVC-MVC front panel selector switch, ANL, BFO, for headphones or external speaker. Slide rule dial. 117VAC transformer power supply built-in. 0-100 logging scale, built-in S-meter. 13x8x10"D. 19 1bs. Imported. \$59.95. HE-48 spkr. \$7.95.



LAFAYETTE HA-350 Receiver (1963). 5 Ham bands + WWV at 15 mc. Covers 80 thru 10 meters, dual conversion, mechanical filter in IF for selectivity of 2 kc at 6db down. Sensitivity: 1 uv for 10db S/N ratio. Has product detector, selectable USB/LSB, 100 kc xtal calibrator, xtal BFO, ANL. For 115VAC. 15x7½x10"D. Less speaker. \$130. HA-94 Spkr \$12.95. 12 tubes, S-meter, 3-section mech. filter, imported.



LAFAYETTE HA-250 Mobile Linear Amplifier (1965). Up to 100 watts PEP input with 8 watts RF drive. Covers 20-54 mc. For AM, FM, SSB or DSB, CW. No external switching required, turns on automatically when exciter is activated. Broadbanded circuits. Illuminated front panel meter indicates RF strength or exciters RF strength with linear off. Oversized heat sinks. For 12VDC neg. grd. 7x9x2"H. 3½ 1bs. \$79.95.

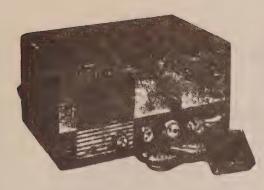
LAFAYETTE HA-260 Mobile Linear Amplifier (1966). Similar appearance and cabinet to the HA-250 above but for 2-meters. Covers 144-148 mc. 100 watts DC input to final. Will boost a 1.5 watt signal up to 90 watts plate input. Uses Amperex DX296 twin tetrode. No external switching required, exciter activiates linear when turned on. Illuminated relative RF output meter also helps in tune-up. Transistor and toroid transformer circuitry with oversized heat sinks. For 12VDC neg. grd. 7x9x2"H. 3½ 1bs. \$139.95.



LAFAYETTE HA-63A Receiver (1966). Covers .55 to 31 Mc in 4 bands. Electrical bandspread on 80 thru 10 meter bands. Superhet circuit with RF amplifier stage, illuminated S-meter, 1.5 uv sensitivity, 3-section tuning capacitor, antenna trimmer, AVC-MVC selector, ANL, BFO, Big slide rule dial, headphone jack or external speaker. 117VAC transformer operated Power Supply built in. 13x8x10"D. 19 lbs. \$59.95. Model HE-48A Speaker Mate \$7.95.



LAFAYETTE HA-226 Receiver (1966). Covers .55 to 30 Mc in 4 bands. Superhet. with built-in 4" speaker, large slide rule dial with red pointer, 0-100 logging scale, front panel jack for speaker disabling headphones, CW/phone selection switch, bandswitching, illuminated dial, AVC, illuminated S-meter for signal strength indication. For 110-120VAC, transformer operated power supply. Metal case. 10-3/4x6x8"D. 12 lbs. \$44.95. Imported.



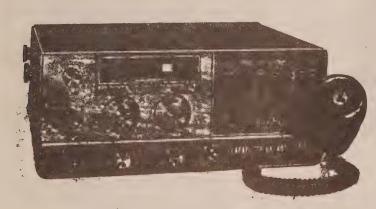
LAFAYETTE HE-35A 6-Meter Transceiver - Crystal controlled, 7 watts input to 6CX8 pentode final, Hi-Q tuned circuit pi-network; separate oscillator, final stage, accessible front panel crystal socket(crystal for 50.2 Mc supplied), plate modulation, built-in adjustable TVI filter, RF output and modulation indicator. Receiver is superhet., tunes 50-54 Mc, includes variable noise limiter, built-in speaker. 110-120 VAC power supply, high output ceramic mike with on-off slide switch, and mobile mounting brackets included. 103/4x5x6-3/4"D. Shpg. Wt. 11 lbs. Price class: \$57.50. MOBILE POWER SUPPLIES: HE-16W 12 V \$10.95, HE-18W 6 V. \$10.95.



LAFAYETTE HE-45A Deluxe 6-Meter Transceiver - Almost identical appearance and specifications to the HE-45B pictured left and described below. Price class:\$114.95

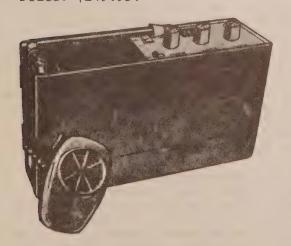
LAFAYETTE HE-45B Deluxe 6-Meter Transceiver - 3-Stage 14-Watt AM input to final, up to 100% modulation, front panel tume & load controls, sockets for 8mc fundamental crystals or external VFO. Superhet receiver with 2 IF stages, 1 uv sensitivity, 45db image rejection, calibrated illuminated vernier dial tumes 50-54 mc, adjustable series gate noise limiter, built-in speaker, illuminated panel meter doubles as S-meter or RF output; spotting switch. Complete with built-in dual 117 VAC and 12 VDC vib. supply, PTT ceramic mike, mounting bracket and cables. 12x5x8½"D. 15 lbs. \$119.95.

LAFAYETTE HE-50A 10-Meter Transceiver - Similar to HE-45B above for 10 M. \$89.95.



LAFAYETTE HA-460 - 6-Meter Transceiver Covers 50-52 mc, 20 Watts DC input to 2E26 final, plate modulated, stable VFO with independent control knob; shielded low pass filter minimizes TVI. Receiver has nuvistor RF amplifier, sensitivity of 1 uv for 10db S/N ratio, 35db selectivity at -35db. SCR controlled noise limiter, spotting switch, front panel crystal socket; illuminated dual Semeter, RF output. 12x5x3-3/4"D. 22 lbs. Complete with built-in solid state 117 VAC and 12 VDC supplies, AC=DC power cords, PTT mike and mobile mounting bracket. Price: \$149.95

LAFAYETTE HA-410 10-Meter Transceiver (similar to HA-460 above, covers 28.0-29.7 mc)
Price: \$149.95.



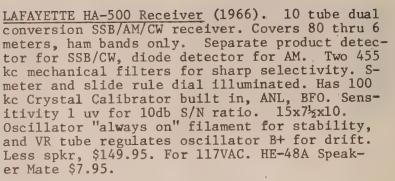
LAFAYETTE HA-650 6-Meter Solid State Transceiver Portable, mobile, base station option. 2.5 Watts input with built-in battery supply. 6 crystal controlled transmit positions. Tuneable superhet. receiver. Spotting switch, series gate noise limiter, tunes 50-52 Mc. Receiver sensitivity 1.2 uv for 10db quieting. 9½x5½x2½. 8 lbs. Complete with 10 "D" batteries, leather carrying case, telescopic whip antenna, shoulder strap. \$119.95. Model HB-501 Solid-state AC Power supply for 115 VAC fixed station use \$16.95.

LAFAYETTE HA-144 2-Meter Solid State Transceiver (Similar in appearance to HA-650 above). Covers 144-148 Mc, 18 transistor, 7 diode, dual coversion superhet, 1 uv. sensitivity for 10db S/N ratio. Mechanical filter, series gate limiter, spotting switch, S-meter/battery condition panel meter. Push pull high level modulation xmtr with 2.5 W. input. 5 internal, 1 front panel switched xtal

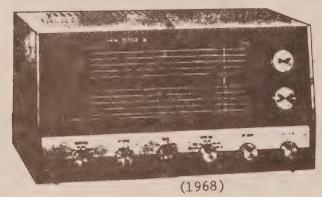
positions. 12x7x3"D. 10 lbs. Supplied with whip ant., leather carrying case, shoulder strap, mobile mounting bracket, 10 "D" batteries. Price class \$189.95





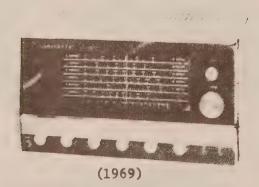


LAFAYETTE HA-700 Receiver (1966). 8 tubes. covers 150-400 kc, 550-1600 Kc, 1.6-4.0 mc, 4.8-14.5 mc, 10.5-30 mc in 5 bands. "Always on" oscillator/mixer filament for stability; silicon diode noise limiter, 2-mechanical filters 455 kc IF for selectivity of ±5 kc at 55db down; sensitivity 1 uv for 6db S/N ratio. Illuminated S-meter, large slide rule dial. Calibrated band= spread, flywheel operated tuning dials. BFO, product detector for SSB/CW, RF-IG gain controls, antenna trimmer, AVC, logging scale, meter adjust. 7-5/8x15x10"D. For 100-117VAC. 25 lbs. Less spkr \$89.95. HE-48A spkr \$7.95.



LAFAYETTE HA-600T Receiver (1968). 5-band AM/CW/SSB Solid State Amateur SW receiver. Covers 150-400 KHz, and .55 to 30 MHz continuous. Has Two mechanical IF filters for ±2 KHz selectivity at 6db down. Sensitivity 1 uv at 10db S/N ratio. FET front end, series gate ANL, BFO, AVC, 24½inches of bandspread on 10-80 meters. Flywheel illuminated main tuning dial with bandspread and logging scls. For 117VAC or 12VDC. Less speaker. 15x9-3/4x8½"H. \$99.95. HE-48B spkr \$8.95. (Cabinet & appearance like HA-600A left.)

LAFAYETTE HA-600A Receiver (1970) (above). Circuit and specifications almost identical to the HA-600T described above except a single mechanical filter providing the same ±2 KHz selectivity at 6db down. Less spkr \$99.95. HE-48B Spkr \$8.95.



LAFAYETTE HA-800 Solid State Amateur Receiver— (1969). Covers 80 thru 10 plus 6 meter bands. SSB/AM/CW reception. Has 2 mechanical filters for ±2kHz selectivity at 6db down, calibrated S-meter, ANL, antenna trimmer, BFO, RF gain, AVC, 3 FET's for sensitivity of 1 uv on 80,40,20, and .5 uv on 15 and 10, and 2.5 uv on 6 meters. S-meter, output jack for tape recorder, product detector for SSB/CW, dual conversion on all bands. Audio output 8 and 500 ohms, less speaker. Operates on 105-120VAC or 12VDC. 15x8½x9-3/4"D. Has large illuminated slide rule dial. \$129.95. HE-48B matching speaker \$8.95.

LAFAYETTE HA-800B Solid State Amateur Receiver (1971). (Same cabinet and appearance as the HA-800 above). Covers 80 thru 10 plus 6 meter bands. Dual conversion all bands, 100 Hz crystal calibrator, Illuminated S-meter, fine tuning control to clarify SSB/CW signals, 2 455 kHz mechanical filters, series gate ANL, 4FET's front end, 1 Varactor, product detector, accessory socket for output to external speaker, receiver muting line, 12VDC input. Headphone jack and provision for direct taping. Sensitvity better than 1 uv all bands. Selectivity ±2kHz at 6db down. Operates from 105-120VAC or 12VDC neg. grd. 15x9-3/4x8½"H. Imported. Less speaker. \$129.95. HE-48B spkr \$8.95.



LAFAYETTE HA-750 Solid-State Portable/Mobile/ 6-Meter Transceiver with built-in VFO - 5 Watts DC input, 18 Transistors, 8 Diodes, 2 Zener diodes, Tuneable receiver, Xtal/ VFO transmit, covers 50-52 mHz. Receiver sensitivity 1 uv for 10db S/N. Illuminated "S-Meter/RF output meter, spot switchseries gate noise limiter, built-in speaker, relay switching. Vernier recvr tuning. Size: $2\frac{1}{2}$ x $6\frac{1}{4}$ x8"D.

Shpg. Wt. 5 lbs. Supplied complete with DC power cable, mobile mounting bracket, and plug-in PTT dynamic microphone. \$119.95. Model HB-502A Charger/AC power supply for 117 VAC operation. Charges nicad batteries used in portable power pack \$16.95. Model HB-506 Portable DC Power Pack attaches to HA-750. Less batteries. \$19.95. (Uses "C" size nicad or alkaline or regular batteries, 8 required). Lafayette 6-Meter "Rapid Grip" Mobile Antenna \$11.95. Deluxe Dynamic Desk Mic with PTT & Lock Sw. \$11.95



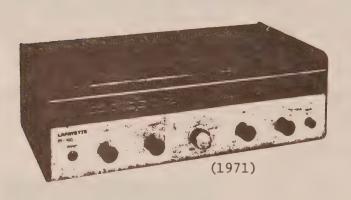
Watt DC Final input, tuned nuvistor front end, integrated voltage regulated VFO, triple conversion receiver with crystal-controlled mixer, 16 tube, 4 transistor, 7 diode circuitry with separate receiver and VFO frequency controls. 1 uv sensitivity for 10db S/N ratio. Series gate noise liniter, variable squelch, illuminated S-Meter/RF output. 12x12-3/4x6"H. Spg. Wt. 25 lbs. Less speaker. Supplied with built-in 12 VDC and 117 VAC solid state power supplies, PTT ceramic mic with coiled cord, AC and DC power cables, and mobile mounting bracket. Price \$189.95. HA-94 Speaker mate \$12.95.



LAFAYETTE 146-175 MHz FM Receiver (1969). Single conversion superhet, nominally covers 146-175 (but some cover 144-175 so useful over entire 2-meter band). 10 bipolar transistors, 3 diodes. Has carrying strap, telescoping whip antenna, jack for external antenna, built-in loudspeaker with earphone jack, built in 6VDC power supply with jack for connecting an external source of power. Supplied with 4 penlight cells, and single earphone. 3-stage audio feeds 8 ohm speaker, volume controlled by potentiometer. Printed circuitry with sensitivity of .5 uv for solid copy. Receives AM as well as FM. 6x3½x1-5/8"D. 8 ounces. \$18. AC adapter \$4. Imported. A similar 27-50mHz version also available.



LAFAYETTE HA-250A Mobile Linear Amplifier (1971). 100 watts plate power input PEP (50 watts nominal power input). Covers 20-54mHz, operates 12VDC built in supply, or 117VAC with optional supply. No external switching required. Amplifies AM, FM, CW, DSB or SSB signals from ½ to 10 watts of drive power. Illuminated meter indicates relative RF strength of linear when linear is on, or exciter when linear is off. Toroid power transformer, oversized heat sink. 7x9x2"H. \$92.60. Model HA-255 AC power supply mounts below amplifier \$32.95.

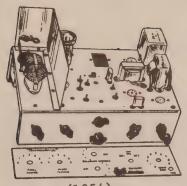


Model PF-300

LAFAYETTE 3-Band/FM Receiver (1971).

Covers 30-50, 144-174, 450-470 MHz, with 2 crystal positions in each band plus tuneable reception on all bands. Sensitivity 1 uv for 20db quieting. Adjustable broad or sharp selectivity. Illuminated jewel indicators for UHF, VHF and Low band modes. Large tuning dials, variable squelch control, built-in speaker, headphone jack, tape recorder output jack, Universal power supply for 117VAC or 12VDC operation. 13½x7½x5. 11 lbs. Less xtals. \$186.80. Imported.

<u>LAFAYETTE Model PF-200</u> Same as PF-300 except for 2-bands: 30-50, and 144-174 MHz only. Price \$102.95. Both models solid-state using IC's, FET's, transistors and diodes.

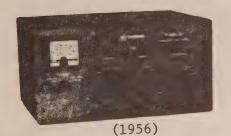


LAKESHORE INDUSTRIES "Phasemaster JR" (1954). Operates as transmitter or exciter, up to 50 watts output on SSB, AM, PM, and CW. Uses plug-in coils for 160 thru 10 meters. Requires 300 to 1000 volt external power supply. Furnished with face plate for cabinet or rack mounting. Sold less power supply and tubes. Kit \$74.50, Wired \$92.50. Tube kit \$8.43. Anti-trip unit for above \$23.50 and Heterodyning VFO for use with 9mc. SSB generation. Bandswitching 160 thru 10 meters, built-in 1000 Kc crystal standard \$146.50.

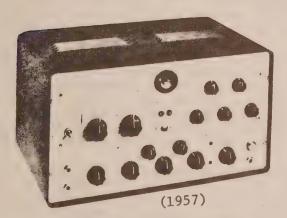
(1954)

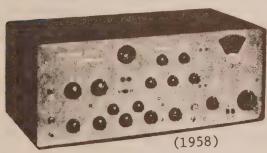


LAKESHORE "Phasemaster II" Transmitter/Exciter (1956). Bandswitched coverage 160 thru 10 meters. Switchable USB/LSB, DSB, AM, narrow band, phase modulation, break-in CW. Modern cabinet w/built-in harmonic suppression. 85 watts PEP input. All controls on front panel. Built-in low pass filter. Constains a negative 100 v. linear amp. blocking bias supply. Pi-network output matches 30-300 ohm loads. 9½x17½x10½"D. 34 lbs. Kit form \$279.50. Wired \$329.50.



LAKESHORE Model P-400-GG Grounded Grid Linear Amplificer (1956). Bandswitching 80 thru 10 meters. 575 PEP watts input SSB, 200 watts input AM-PM-CW. Uses 4-6CN6 grounded grid hi-mu triodes. Provision for applying cut off bias from exciter. Requires less than 20 watts PEP drive. Pi network output circuit. Built-in 1250VDC 350ma power supply. 30 mfd filter capacity for maximum plate supply regulation. Power switching circuit prevents applying plate voltage before filaments are turned on. 9\forall x19\forall x11\forall "D. 45 lbs. Wired \$269.50.





LAKESHORE "Phasemaster II-A" Transmitter/
Exciter (1957). SSB or DSB suppressed
carrier or with carrier, PM, and CW. Bandswitched 160 thru 10 meter operation. 65
watts PEP output. 6146 power amplifier in
final with voltage regulation of 6146
screen. 9mc Oscillator with temperature
compensation for stability. Tuning eye
shows RF output or can be switched to show
flattoping of audio; also aids in tuning
on AM or as distorition indicator on SSB.
Wired complete \$329.50. "Bandhopper" VFO
for use with above Xmtr \$139.50.

LAKESHORE "Phasemaster II-B" Transmitter/ Exciter (1958). 65 watts PEP output SSB.

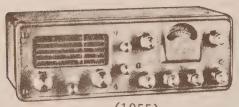
For SSB, DSB, PM, and CW. Bandswitching
160 thru 10 meters. Built-in VFO with 100
cps stability, temperature-compensated 9mc
osc., VOX with anti-trip, pi-network output,
speech filter, low pass audio filter, TVI
suppression, 6146 final. 100:1 precision VFO
dial. 110-120VAC Power supply built in. 9½x
14½x23½". 39 lbs. Wired \$459.



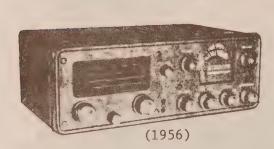
MORROW Model FTR Fixed Tuned Mobile Receiver (1954). For use with any converter with an output of 1525 kc. (such as the Morrow 5BRF Converter described below). Sensitivity of .5 uv and sufficient stability for SSB reception. Selectivity 3 kc at 6 db down. 2 circuits tuned to the converter output frequency plus six sharply tuned 200 kc bandpass filters in the mixer & IF stages give steep-sided skirt selectivity. Noise balanced squelch, sealed S-meter. 9 tubes 4x5-5/8x7". 8 lbs. Available with 3 optional power supplies: 6 volt only \$128.40; 6 or 12 VDC \$139.10. 12 VDC only \$128.40. w/shilded power cables.

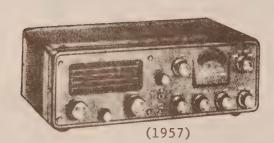


MORROW Model 5BRF Mobile Converter (1954). Designed for use with the FTR receiver above. For 75 thru 10 meters. Output 1525 Kc. Tuned RF stage. .5 uv sensitivity. Requires 6 or 12V DC for filaments, 200-225 v. at 20 ma.(taken from receiver). 4x5-5/8x7"D. 5 lbs. \$67.95.



(1955)





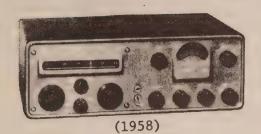
(1957)

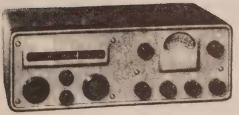
MORROW Model MBR-5 Receiver (1955). 13 tube mobile dual conversion superhet communications receiver. .5 uv sensitivity, covers 80 thru 10 meters. Each band spread across slide rule dial. High S/N ratio and excellent SSB,CW,AM reception. Built-in 100 kc crystal calibrator, temperature compensated oscillators, illuminated S-meter; noise balanced squelch circuit and series gate noise limiter. 4x11-3/4x6½" D. 10 1bs. Complete with 6-12VDC Power supply, Model SH spkr, mtg. hardware. \$224.50. AC Power Pack for 105-120VAC fixed station operation \$29.95.

MORROW Model MB-560 Transmitter (1956). Covers 80 thru 10 meter bands. 90 watt CW, 60 watt phone input. Built-in calibrated VFO or external Xtals control, Xtal socket and Oscillator calibration on front panel. Zero-beat control, band=spreading on 20,15 and 10 meters. Pi=network output. 100% modulation. Built-in antenna and receiver muting relays. Front panel metering selector switch. Requires 300-600V at 200 Ma. and 250V at 75ma(this latter voltage normally supplied by the MBR-5 receiver). Operates on 6-12V. 4x11-3/4x6½. 10 lbs. Complete w/tubes, key, mike plugs, Mtg. \$210.21

MORROW MB-560-A Transmitter (1957). Covers 80-10 meter bands. 90 watts CW, 60 watts AM phone input to a 6146 final. Built-in VFO or front panel socket Xtal control. Osc. calibrate control. Zero-beat control. Band-spread on 20,15 and 10 meters. Pinetwork output. 100% modulation. Built-in antenna and receiver muting relays. Front panel metering selector switch. Operates on 6-12V. Requires 300-600 V. at 200 Ma. and 250 V at 75 Ma.(latter voltage usually supplied by the MBR-5 companion receiver). Complete w/tubes and mtg. bracket. \$214.15. Model TV-600 6-12VDC Power Supply \$79.50; Model RTS-600S Speaker and 115VAC Power supply for both MB-560-A Transmitter and MBR-5 Receiver \$107.50.

MORROW Falcon Receiver (1957). Dual conversion superhet, tumes 75,40,20,15 and 10M. Amateur bands. 1 uv sensitivity for 14db S/N ratio; Selective bandpass 2.8 kc to 9.2 kc at 6db down. With builtin Model BCT Conelrad Monitor and Broadcast Band Tuner with its own dial. 4½x12x7½". 11 lbs. Less power supply & spkr \$185.22. Same as above but less the Model BCT, \$165.62. Model BCT \$19.55. (Interchangeable with MBR-5 cables & Power Supply)



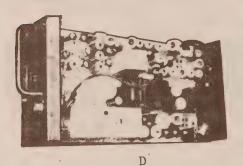


(1958)

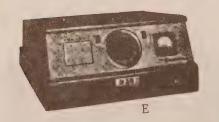
MORROW Model MB-565 Transmitter (1958). Covers 80 thru 10 meters. VFO or Xtal controlled. Goldplated variable capacitor. Neutralized pi-network final operates straight thru all bands at 60 watts input. Uses carbon, crystal or dynamic mic, high level plate modulation. Operates into 50-75 ohm antenna. Antenna changeover relay built-in. Illuminated meter measures necessary voltages and currents. Transmitter has turret-type illuminated dial with each band full scale. 4½x11½x7½". 14 lbs. Less power supply. \$249.50. Use Model RTS-600S Speaker and 115VAC Power supply for both MB-565 Transmitter and matching MB-6 Receiver; or Model TV-600A 6 or 12V DC Vibrator supply; or Model RTV-630 for 12VDC power to both transmitter and receiver.

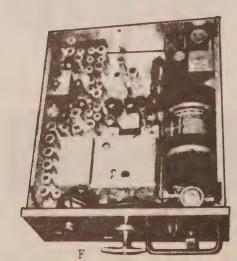
MORROW Model MB-6 Receiver (1958). 13 tubes, covers 80 thru 10 meters. Sensitivity: 1 uv or better on all bands. 20db S+S/N ratio. 4 kc at 6 db down bandpass. Built-in 100 kc crystal calibrator, S-meter illuminated, RF and AF gain controls. ANL, noise balanced squelch circuit, temp. compensated for staable SSB reception. Xtal controlled second mixer. 11½x4½x7½". Less power supply and speaker (see above models listed below MB-565 Transmitter). \$239.50. Model RAP-250S 115VAC power supply for MB-6 \$41.50.





MOTOROLA





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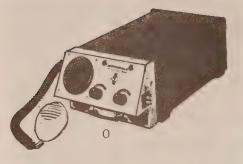
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The following MOTOROLA equipment is commercial equipment that is often adapted for use in Amateur Radio, especially FM. Most of the mobile units are trunkmount with a dash mounted control head and cables as well as a speaker and microphone included as accessories. Some of the units may be used as trunk mount units or with the entire unit mounted under the dashboard of the car. Base Station and Dispatcher units operate from an AC line while Mobile Units operate from 12 Volts DC (some operate from 6 or 12VDC). Hand-held and Portable units operate from batteries while portable, many with rechargeable Ni-cad batteries. Some hand-held and portable units can be used fixed station with AC supply line converters in place of batteries.

Model	Fig.	Band	Description
B44A-6A	A	450	FM 18 Watt Base Station outdoor cabinet with remote control.
B61AAB	В	30-50	FM 250 Watt Base Station upright cabinet.
D23-1	-	High	FM 1 Watt 6/12 volt mobile with tube receiver.
D23BAT		High	FM 1 Watt 6/12 volt mobile with transistor receiver.
D31AAB	С	30-50	Dispatcher, high power, tube Receiver, FM.
D31BAB	С	30-50	Dispatcher, high power, solid state receiver, FM.
D33-1	С	High	FM 8 Watt 6/12 volt mobile with tube receiver.
D33AAB	С	150	FM Dispatcher, high power, tube receiver.
D33BAB	С	150	FM Dispatcher, high power, solid state receiver.
D33BAT	Ċ	High	FM 8 Watt 6/12 volt mobile with transistor receiver.
FMTR41V	D	Low	FM 12 Watt 12 volt mobile with vibrator power supply.
FMTR80D	-	Low	FM 30 Watt 12 volt mobile with dynamotor power supply.
FMTR140BY	E	30-50	FM 60 Watt Desk Top Base Station.
FMTR140D	F	Low	FM 60 Watt 12 volt mobile with dynamotor power supply.
FMTRU41V	. D	High	FM 10 Watt 6/12 volt mobile with vibrator power supply.
FMTRU80D	-	High	FM 30 Watt 12 volt mobile with dynamotor power supply.
FMTRU140B	Y E	150	FM 60 Watt Desk Top Base Station.
FMTRU140D	F	High	FM 50 Watt 12 volt mobile with dynamotor power supply.

FM 30 Watt Desk Top Base Station.

	Mode1	Fig. Band	Description
MOTOROLA DIRECTION	HO-1	G Low	FM Pocket Receiver.
	но-3	G High	FM Pocket Receiver.
	но-3	G High	FM Pocket Receiver with squelch.
	HO3BNC	H High	FM Pocket Receiver.
G	HO4BNC	н 450	FM Pocket Receiver.
Н	H11NBC	I Low	FM Pocket Transmitter 500 m-watts.
OFFIRE	H13NBC	I High	FM Pocket Transmitter 500 m-watts.
	H21-1	J Low	Dry cell FM 1.5 watt handset type.
M MOTOROLA	H21-1	K Low	Dry cell FM 1.5 watt spkr-type.
	H21BAB	J Low	AC supply FM 1.5 watt handset type.
J	H21BAC	J Low	Dry cell FM 1.5 watt handset type.
	H21BAM	J Low	Rechargeable FM 1.5 watt handset.
M MOTOROLA	H23-1	J High	Dry cell FM 1 watt handset type.
	H23-1	K High	Dry cell FM 1 watt spkr-type.
	н23вав	J High	AC supply FM 1 watt handset type.
K	H23BAC	J High	Dry cell FM 1 watt handset type.
	H23BAM	J High	Rechargeable FM 1 watt handset.
The state of the s	HT100	L 150-174	"Handie-Talkie" Series of Recharg- able FM, 100 mw xmitter output, .35 uv receiver sensitivity, with optional "Private-Line" tone- coded squelch.
L M	HT200	450-470	Compact Hand-Held 2-Way FM Radios in 3 bands: 1.4 watts output 25-54mHz, 2 watts output 132-174 mHz, .7 watt in 450-470 mHz band. 1 or 2 frequencies. Rechargeable ni-cad batteries. Available with remote microphone & spkr.
N	нт220	N 136-174	"Handie-Talkie" FM Radio Series, 1.8 or 5 watts output selection, up to 6 channels, .35 uv receiver sensitivity, rechargeable ni-cad battaries. Many options: "Private- Line" tone-coded squelch, remote spkr/microphone, Selective Call, etc. Uses solid-state IC's etc.
	INDUSTRIAL "DISPATCHER"	NA 30-50 and 150-174	Frequencies and Power Output Ratings: 30-50mc 20 watts; 150.8-174 mc 18 watts. Fully solid state except for 1 relay. Available for 6,12 or 24-72 volts DC positive/negative ground. Controls on front panel. "Private Line" tone coded squelch available. Separate spkr.
NA	J51AAB	A 30-50	FM 60 Watt Base Station in weatherproof cabinet.
	J53AKY	A 150	FM 60 Watt Base Station in upright cabinet



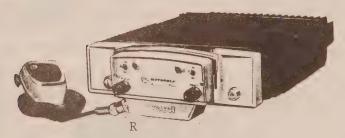
Mode1	Fig	• Band	Description
L41GGB	0	30-50	FM 25 Watt Utility unit, A.C. P.S.
L43GGB	0	150	FM 25 Watt Utility unit, A.C. P.S.
MOCOM-10	P	25-50	FM 5 Watts output, fully transistorized, self-contained speaker, fits under dashboard. "Automute" and "Private-Line" tone coded squelch. Low battery drain 12VDC.



MOCOM-30 Q 25-50 Series 136-174 450-470 Fully transistorized receiver & Power Supply. Frequencies and Power Outputs: 25-50mc 15 watts, 136-174mc 30 watts, 450-470mc 15 watts. Unit mounts under dash, separate speaker, or trunk mount units available for 136-174 and 450-470mc bands. "Private-Line"tone coded squelch and "Extender" ignition suppression available. 12 Volt DC power source used. FM use.



MOTRAC R 25-50 Series 136-174 406-420 450-470 Series of FM Transceivers in various frequency ranges and power outputs: 25-50mc 40,60 or 100 watts; 136-174mc 40,60,90 or 110 watts; 406-420mc and 450-470mc 20,40 or 60 watts. All solidstate receiver, power supply, tubes in transmitter final. .35uv sensitivity "Sensitron" receiver; "Private-Line" tone coded squelch and many options available. 12VDC operation w/optional pos./neg.Gd. Can be mounted 2 ways: All under dash or trunkmount w/dash control head. Speaker is separate unit.



B HOTRAN

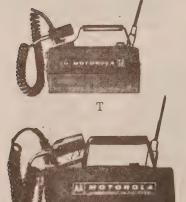
MOTRAN S 30-50 Series 136-174



This part connects to control head when dash mounting Motrac/Motran units.

P31AAB

P33AAM



P31AAC Low P31AAM Low P31BAB Low P31BAC Low P31BAM Low K P33AAB High K P33AAC K High

K

Low

High

Series of FM Transceivers in various frequency ranges and power outputs. ENTIRELY TRANSISTORIZED. Power Outputs: 30-50mc 30 or 50 watt units; 136-174mc 30 watts. .35uv sensitivity "Sensitron" receiver; no relays; "Private-LINE" tone coded squelch and many other options available. 12VDC w/optional positive/negative Gd. Can be mounted 2 ways: All under dash or trunkmount w/dash control head. Speaker is separate unit.

FM 8 watt, tube rcvr, AC supply

FM 8 watt, tube rcvr, dry cell

FM 8 watt, tube rcvr, rechargeable

FM 8 watt, solid-state rcvr, AC PS.

FM 8 watt, solid-state rcvr, dry cell.

FM 8 watt, solid-state rcvr, rechargeable.

FM 5 watt, tube rcvr, AC supply.

FM 5 watts, tube rcvr, dry cell

FM 5 watts, tube rcvr, rechargeable

U

	Model	E4 o	Rond	Dogariation
	P33BAB	K		Description EM 5 watte cold atota norm AC RS
	P33BAC		High	FM 5 watts, solid-state rcvr, AC PS.
0.0		K	High	cell.
V	P33BAM	K	High	rechargeable.
	PT200	T	HELP	Need information on this unit.
	PT300 Series	·T	25-54 132-174	FM 2-Way Portable Radio Series in several frequencies and various Power Outputs: 25-54mc 5 watts, 132-174mc in 1.4, 2, or 10 watt units. Fully transistorized. Choice
W				of battery packs: Ni-cad, Alkiline C, industrial D, or 117 AC for base
	PT400	.U	HELP!	Need information on this unit.
	T33BAT	·	High	FM 8 watts, transistor rcvr
X	T33GGV	V	High	FM 10 watts, vibrator Power supply, 6/12 volt, trunkmount.
	T41GGV	V	Low.	FM 30 Watts, vibrator power supply, 6/12 volt, trunkmount.
404(88)	T43GAD	W	High	FM 30 watts, dynamotor power sup- ply, 6/12 volt, trunkmount.
	T43GGV	. V	High	FM 25 watts, vibrator power supply, 6/12 volt, trunkmount.
3-49	T44-1	X	450	FM 18 watts, 6 volt vibrator P.S.,
A STATE Y	T44-A6	X	450	FM 18 watts, 6/12 volt vibrator
Mi College	T44-A6A	X .	450	power supply, trunkmount. FM 18 watts, 6/12 volt vibrator
ALTERNATION OF THE PROPERTY OF	T44-AAV	W	450	power supply, trunkmount. FM 18 watts, 6/12 volt vibrator
	T51AGD '	W	Low	power supply, trunkmount. FM 60 watts, dynamotor power sup-
•	T51GGD	Y	Low	ply, 6/12 volt, trunkmount. FM 60 watts, dynamotor power sup-
	T51GGV	W	Low	ply, 6/12 volt, trunkmount. FM 60 watts, vibrator power supply,
القائم ا	T53GKD	Z .	High	6/12 volt, trunkmount. FM 60 watts, dynamotor power sup-
2	T61GJD	-	Low	ply, 6/12 volt, trunkmount. FM 100 watt, dynamotor power supply, 6.12 volt, trunkmount.
	U41GGT	AA	Low	FM 30 watt, transistor power supply,
	U41HHT	AB	Low	12 volt, dash or trunkmount. FM 30 Watt, Motrac power supply,
	U43GGT	AA	High	12 volt, dash or trunkmount. FM 30 watt, transistor power supply,
	и43ннт	AB	High	12 volt, dash or trunkmount. FM 30 watt, Motrac power supply,
AA	U44BBT	AA	450	12 volt, dash or trunkmount. FM 18 watt, transistor power sup-
	U51GGT	· AA	Low	ply, 12 volt, dash or trunkmount. FM 50 watt, transistor power supply,
and the second second	U51HHT	AB		12 volt, dash or trunkmount. FM 50 watt, Motrac power supply,
Inn	U53GKT	. Z	High	12 volt, dash or trunkmount. FM 60 watt, transistor power supply,
	U71HHT	AB	Low	6/12 volt, trunkmount. FM 50 watt, Motrac power supply,
				12 volt, dash or trunkmount.
AB				



MOTOROLA HF-SSB Radio

transistorized except for transmitter driver and
Power Amplifier stages which are tube. Covers 2-18MHz
with up to 6 channels in that range; selectable sidebard and fully compatible AM; precise system netting
circuitry built in; ceramic IF transfilters; automatic
control of accessories; extended local or remote control. For 12.or 24 VDC and 115/230 VAC input.



MOTOROLA 2 Meter Power Amplifier - Rated 250 watts out continuous duty (can be modified to up to 1000 watts). Low input drive power required. Fully metered, with antenna changeover relay, blower motor. No external keying circuits required, amplifier keys automatically. Useful with handi-talkie or base units. 26 x 20 x 16" Deep. Original cost \$2,100 (current surplus new \$350.)



MOTOROLA Motorcycle "Dispatcher" 2-Way Radio.
Low-band 30-50MHz, 20 watts transmitter input. 10 watts audio output for clarity.
Controls on speaker. Operates 12VDC only.
Fully solid-state no tubes. Can include Private Line tone squelch. FM Mode.



MOTOROLA Paging with Personal Message Receiver (FM). Receives message following alerting tone "beep". Used with high-band or UHF 2-way radio. systems.

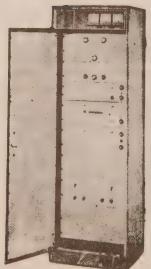




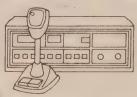
MOTOROLA CONTROL EQUIPMENT FOR PAGING SYSTEMS: Permits signaling and activating any unit selectively by transmitting proper tone. Unit at left can control from 2 to 20 units. Unit at right can control 90 to 450 units.

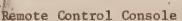


MOTOROLA FM Selective Receiver. Operates 2 ways: from 117 VAC base or 12 VDC mobile. Optional emergency automatically self-charging power pack also available. Designed for selective calling, all other units remain silent. Memory feature lights an indicator window to show a call was received while you were away. Solid state design. High sensitivity receiver. Self-contained spkr. Designed for 30-54 and 150.8-174mc bands. Can be used table top, portable, or mounts under dash.



MOTOROLA Upright Base Station FM Transceiver. Designed for 100% continuous duty; convection cooling system for silent, efficient operation. Power output ratings and frequency ranges: Low Band: 100, 120, 330, 500 watts in the 25-50mc range; High Band: 50,70,100,120,375 watts in the 136-174mc range. Solid state .35uv sensitivity "Sensitron" receiver available as well as "Private-Line" tone coded squelch, "Extender" operation, and Preamplifier. Repeater stations for indoor or outdoor use also available. Can be remotely controlled with the units below.









Remote Desk Set

Local Desk Set



MULTI-ELMAC Model A-54 Transmitter (1951). Fixed station or under-dash mount mobile transmitter. 4 Bands: 10,11,20 and 75 (Additional switch position for 160, 40, or 6 meter coil). Dial calibrated for all bands. Use only two controls to QSY. 50 watts input. Requires carbon mike with PTT. VFO-Xtal selector switch with calibrated VFO built-in. Pi-network ant. match. Has dual scale meter with Grid current, plate current selector switch. 10 tubes. Requires 400 to 500 V at 225 ma plus filament voltage. 7½x7½x12"W. 17 lbs. Less P.S. \$139.

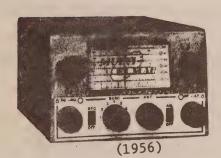
Model A-54-H Same except high gain model for high impedance mic. \$149. Both use PSA-500 Power supply with 115V AC input, 500 V at 250 Ma output, \$39.50. Xmtr has 807 final.



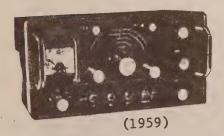
ELMAC Portable Mobile Receiver PMR-6A (1953). 10 tube dual conversion superhet communications receiver. 6 bands 600 Kc to 2000 Kc, 80, 40, 20, 15, and 10 meter bands. 10 tuned circuits for high selectivity. Built-in noise limiter, BFO. 1 uv sensitivity for full 3½ watts audio output. Voltage regulated local oscillator, BFO, and 2nd converter. 50 ohm coax antenna input match. Less power supply. 4½x6x8½"D. 6½ 1bs. \$134.50. PSR-6 6VDC P.S. \$24.50; PSR-12 12VDC P.S. \$24.50; PSR-116 115V AC Power Supply \$24.50. (Rcvr requires external 3-4 ohm spkr)



ELMAC Trans-Citer AF-67 (1954). Covers 7 amateur bands 10 thru 160 meters. Fixed station or under-dash mobile transmitter/ex-citer. Single control bandswitches all stages. Emission: A-1, NBFM or A-3. VFO or Xtal operation. 5-circuit meter switch for meter readings of grid and plate circuits. Pi-network output & coax connector. 60 watts input to 6146 final plate. For 6 or 12 v. operation with external P.S. Includes tubes and power connector. 11½x7x8½". 20 lbs. \$177. PS-2V Power Supply providing 6 or 12 V. AC at 3A for filaments, 230 volts at 80 ma. DC output, 475V at 170 ma. DC output. \$49.50. (110 VAC input to PS-2V).



MULTI-ELMAC Model PMR-7 Receiver. (1956). 10 tube dual conversion superhet, mobile or fixed station, 10 thru 160 meters and broadcast band. Built-in noise limiter, adjustable squelch. 7 bands. Xtal controlled with 262 Kc 2nd IF for selectivity. High sensitivity. Variable BFO, tuned RF stage. VR and temp. compensation. 50 to 75 ohm antenna input coax line. Illuminated slide-rule dial. 4½x7x9½". 21 lbs. Less P.S. & Spkr \$159. Model PSR-612 6 and 12V DC supply \$34. Model PSR-117 for 115VAC power \$47. Mobile Mounting rack \$6.95.



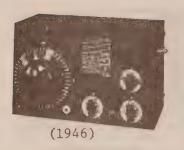
MULTI-ELMAC Model AF-68 Trans-Citer (1959). Covers 80 thru 6 meter amateur bands on CW and AM. VFO or Xtal controlled, 60 watts input to a 6146 final. Pi-network coaxial output matching wide range of impedances. Single control bandswitching. 5 circuit illuminated panel meter indicates grid current, plate voltage, modulator plate current, final plate current. Built-in temp. compensated VFO with VFO spotting switch. Xtal socket holds 2 xtals. Filaments operate on 6 or 12 volts. 13½x 6½x7½"D. 21 lbs. External power supply and mic. required. Price \$189.50 M-1070 Power Supply for AF-68 and PMR-8 receiver, for 6 or 12 VDC or 115VAC \$79.50.



MULTI-ELMAC Model PMR-8 Receiver (1960). Mobile or fixed operation. Double conversion, covers 80, 40, 20, 15, 10, and 6 meters (50-52 Mc) plus Broadcast Band. Sensitivity: .5 uv for 10db quieting. Selectivity: 3 Kc at 6db down. 2nd conversion oscillator Xtal controlled, tuned RF stage, delayed AVC, noise 1imiter, calibrated BFO, 52 or 72 ohm antenna input. Filaments operate on 6 or 12 volts. Has headphone jack. $4\frac{1}{2}x9\frac{1}{2}x7$ ". 11 lbs. Requires external power supply (use M-1070 above) and external speaker. \$189.50.

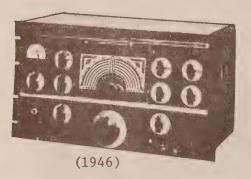


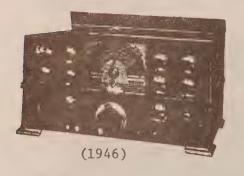
MULTI-ELMAC ATR-4 SSB Transceiver - covers 80-10 meters with 180 watts PEP SSB, 75 watts AM, 180 watts CW input. S-meter, 2.7 kc selectivity, product detector, 100 kc calibrator, VOX, parallel 6146's, anti-VOX, break-in CW, adjustable sidetone, PTT. Size: 5½x15-3/4x9-3/5"D. Wt. 19 lbs. \$750 price class.











NATIONAL NC 1-10A Superregenerative Receiver (1946). Covers 27 to 290 Mc with sets of plug-in coils. 4 tubes, TRF circuit with super-regenrative detector. Operates from batteries or external 115VAC power supply. National PW geared micrometer dial has linear scale length of approximately 12 Ft. 6 bands, easily interchangeable plug-in coils for UHF coverage from 1 to 11 meters. With tubes and 6 sets plug-in coils but less P.S. and speaker \$67.50. MCS PM speaker in matching cabinet \$12. #5886 115VAC Power supply \$22.43.

NATIONAL HRO-5 Receiver (1946). Superhet., covers 50 to 430 Kc and .48 to 30 Mc with proper coil sets. 11 tubes plus rectifier, 456 Kc IF, selectivity adjustable between .2 and 6.5 Kc at 5 db down; audio output 5000 ohms to external Xfmr and speaker. Switched bandspread on 80,40, 20 and 10 meters. Noise limiter, crystal filter, S-meter, standby switch. Less power supply and speaker \$274.35. Type 697 AC Power supply \$20.35. Type MCS matching speaker \$12.

NATIONAL HRO-5A1 Receiver (1946). Covers 50 Kc to 30 Mc with proper coil sets. Features new highly efficient noise limiter, redesigned flexible crystal filter. Has PW geared dial, electrical bandspread on 10,20,40 and 80 m. bands. HRO-5A1 (Table model) complete with tubes, crystal and 4 coil sets covering 1.7 to 30 Mc \$245. Power supply 697 115/230 VAC \$20.36; MCS table model cabinet spkr \$12.

NATIONAL NC-2-40 Communications Receiver (1946). Covers .49 to 30 Mc in 6 bands with proper coil sets. Amplified and delayed AVC, adjustable noise limiter, 5-step selectivity crystal filter, S-meter, Large dial with direct reading calibration; band spread logging scale; heavy duty power pack for 105-125/210-230 VAC operation with providing for battery operation. Front panel for rack mounting, but with side plates for table top use. Less speaker \$169.50. Model NC-2-40S Communications Receiver (1946). Same as NC-2-40 except covers 200 Kc to 18 Mc. \$189.50

NATIONAL NC-240C Communications Receiver (1946).
Covers .49 to 30 Mc in 6 bands with proper coil sets.
11 tubes plus rectifier, 455 Kc IF, 8 watts audio output to external 10,000 ohm P to P out-put xfmr and speaker; adjustable selectivity .2 to 7.5 Kc at 6 db down; crystal filter, noise limiter, S-meter, tone control, phono jack, accessory/external power socket, BFO, AVC. For 110-120/220-240VAC. Less speaker. Has sliding coil bandswitch. \$250.

Model NC-240CS Similar except covers 200 to 400 Kc and 1 to 30 mc in 6 bands with proper coil sets.
Also has internal internal P to P xfmr with 8 and 500 ohm output windings. Less speaker. \$250.

Model 240D (1947). Same as NC-240C above except has 4 additional bandspread ranges for 10,20,40 and 80 meters. Less speaker. \$225. 10" PM Speaker in cabinet \$16.44.

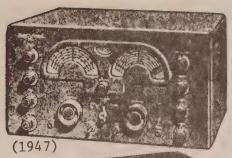


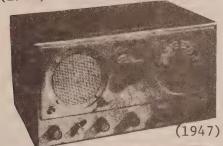


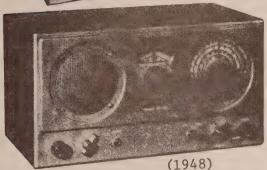
(1947)

NATIONAL NC-46 Receiver (1946). Covers .54 to 30 Mc in 4 bands. 9 tubes plus rectifier. 455 Kc IF; 4 watts audio into external speaker. Bandspread tuning, noise limiter, tone control, external muting terminals. For 110-130VAC or DC. BFO, Separate RF and AF gain controls, AVC. Less speaker \$97.50. NC-46TS PM speaker in cabinet \$10.

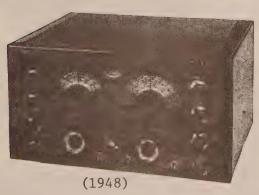
NATIONAL HRO-7 Receiver (1947). Covers 50 to 430 Kc and .48 to 30 Mc in 9 bands with proper coil sets. 11 tubes plus VR and rectifier. 456 Kc IF; selectivity adjustable .2 and 6.5 Kc at 6db down; audio output 5000 ohms to external output xfmr and spkr. Switched bandspread on 80,40,20 and 10 meters, noise limiter, Xtal filter, S-meter, tone control, temp. compensated oscillator, accessory socket, standby switch. With Power supply & spkr \$312. (External 697 AC P.S., MCR Spkr).













(1949)

NATIONAL NC-173 Communications Receiver (1947).

Covers .54 to 31 Mc in 4 bands plus the 48 to 56 Mc 6-meter band. 11 tubes plus VR and rectifier; 455 Kc IF, 6 position selectivity Xtal filter, S-meter, noise limiter, phono jack, tone control, antenna trimmer, receive-standby switch, external power socket. 8 or 500 ohm audio output, calibrated bandspread for the 6, 10-11, 20, 40 and 80 meter bands, logging scale for other bands. For 115/230 VAC. Less speaker \$179.50. Matching spkr \$10.

NATIONAL NC-57 Communications Receiver (1947). Continuous coverage from .55 to 55 Mc in 5 bands. Is bandswitched with bandspread coverage at any freq. 7 tubes plus VR and rectifier, 455 Kc IF, for 105-130 VAC(w/battery provision). Has built-in speaker, electrical bandspread, noise limiter, antenna trimmer, accessory/power socket, RF stage. \$89.50. Accessory tuning meter SM-57 available separately.

NATIONAL NC-33 Communications Receiver (1948).

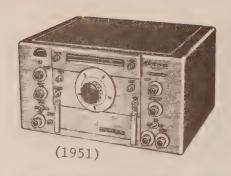
AC/DC Superhet., continuous coverage .5 to 35

Mc. in 4 bands. 5 tubes plus rectifier, builtin 5" spkr, phone jack, ANL, BFO pitch control,
send/receive switch, built-in AC/DC 110-120 V.
power supply, electrical bandspread. \$65.95.
Size 16½x8-3/4x8½"D. Shpg. Wt. 30 lbs.

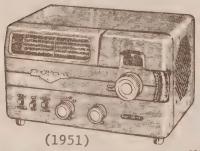
NATIONAL HFS Receiver (1948). Receives CW, AM, FM from 27 to 250 Mc in 6 bands using plug-in coils. Complete receiver using super-regenerative detector or used as a tunable converter with an external superhet. receiver capable of tuning to 10.7 Mc (an Int./External control on the HFS connects the IF output to the output receptacle and disconmects the HFS 2nd detector and audio stages). Requires external power supply or battery source. Has built-in speaker. 16½x8-3/4x8½"D. 19 lbs. Less power supply, with complete set of coils \$125. Type 5886 AC 115/230V. P.S. \$22.43; Type 686S 6V DC PS \$34.

NATIONAL NC-183 Receiver (1948). Covers .54 to 31 Mc in 4 bands plus 48-56 Mc Six-meter band. 14 tubes plus VR and rectifier; 455 Kc IF; 8 or 500 ohm audio output to external speaker; has calibrated electrical bandspread for 6, 10-11, 20,40 and 80 meter bands. Gear drive tuning dials. S-meter, tone control, crystal filter for 6-step selectivity, double diode noise limiter on both phone and CW, antenna trimmer, external power/accessory socket. For 110-120/220-240 VAC. NC-183T Table model \$269; NC-183-R rack model \$269. Speakers for either model \$14.

NATIONAL HRO-50 Receiver (1949). Covers 50 to 430 Kc and .48 to 35 Mc with proper sets of 12 plug-in coils lettered A thru AC. 12 tubes plus VR and rectifier; 455 Kc IF, 8 or 500/600 ohm audio output to external speaker; for 115/240 VAC. Has calibrated bandspread, electrical; noise limiter, crystal filter, S-meter, tone control, temp. compensated HFO, dial light dimmer, antenna trimmer, standby switch, accessory/external power socket, provisions for internal xtal calibrator and NBFM adapter. Less spkr \$349. HRO-50TS spkr \$15; Accessories available: XCU Calib., SOJ-3 Select-O-Ject; NFM-50 NBFM Adaptor; HRO-50RS rack Mtg. Spkr; 650S DC Vib. Power supply.















NATIONAL HRO-50T1 Receiver (1951). Covers 50-430 Kc and .48 to 35 Mc with proper set of 12 coil sets lettered A to AC. Sensitivity: 1 uv at 6db S/N. Selectivity variable from 1.2 to 8 Kc. Direct reading calibration with 1 scale in view at a time. Has S-meter, VR, bandswitch, antenna trimmer, AVC, noise limiter, BFO pitch control, provision for Xtal calibrator, accessory socket for Select-O-Ject, 3 IF, 12 permeability tumed IF circuits for steep skirt selectivity, AM phone, CW, and NFM(with adaptor). 19-3/4x17½x10½" High. Built-in HD 115-230 VAC Power supply. Less spkr. \$383.50. Model HRO-50R1 rack mount model \$383.50. 50TS or 50RS 10" spkr \$16.

NATIONAL NC-125 Receiver (1950). Covers .56 to 35 Mc in 4 bands. 9 tubes plus VR and rectifier; sensitivity 3 uv on 10 meters for 10db S/N ratio. Has built-in Select-O-Ject audio circuit, S-meter, antenna trimmer, noise limiter, tone control, receive/standby switch, variable BFO pitch, AVC, RF and audio gain controls. For 110 VAC. 16½x11-3/4x8½" 36 lbs. Less speaker \$149.50. Speaker \$11:(NC-125TS).

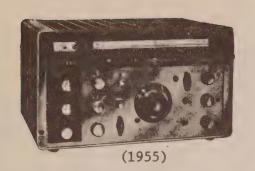
NATIONAL SW-54 Communications Receiver (1951). Covers .54 to 30 Mc in 4 bands. 4 tubes plus rectifier; 455 kc IF, internal speaker; selectivity of 3.4 Kc at 6 db down. Receive-standby switch, speaker-phone switch. Slide rule clearly marked dial with unique adjustable plastic bandspread knob useable over entire tuning range. Has bandswitch, BFO, uses miniature tubes. 11x7x7". 15 1bs. For 115V AC or DC \$49.95.

NATIONAL NC-183D Receiver (1952). Covers .54 to 31 Mc in 4 bands plus 48 to 56 Mc. Dual conversion from 4.4 to 31 Mc and 48 to 56 Mc; crystal filter with front panel control; noise limiter; S-meter, amplified and delayed AVC, adjustable BFO; antenna trimmer, accessory socket; bandswitching; continuous bandspread thruout frequency range with calibrated bandspread on 6,10,11,15,20,40 and 80 meters. Less speaker, for 115/230 VAC. \$369.50. Model NC-183DR Rack model \$369.50. Speakers for either \$16.

NATIONAL HRO-60 Receiver (1952). Covers 50 to 430 Kc and .48 to 54 Mc with proper coils lettered from A thru AD (13 frequency ranges and coils). Bandspread coverage switchable for 80,40,20 and 10 meters. 15 tubes plus filament regulator, VR, and rectifier. Dual conversion all freq. above 7Mc with 456 and 2010 Kc IF's; sensitivity 1 uv for 10db S/N ratio; selectivity adjustable from 800 cycles to 3.5 Kc at 6db down; operates from 115/230 VAC. Has calibrated electrical bandspread, noise limiter, Xtal filter, provision for xtal calibrator with front panel control; ant. trmmer, S-meter, phono jack, auxiliary power socket, receive-standby switch. 10½x19-3/4x16½ 88 lbs. Less speaker \$745. HRO-60TS spkr \$19.95

NATIONAL NC-88 Receiver (1953). Covers .54 to 55 Mc in 4 bands. 7 tubes plus VR and rectifier. 455 Kc IF, for 105-130 VAC. Has self-contained speaker, electrical BFO, bandspread, ANL, antenna trimmer, accessory/power socket. Large 6" indirectly lighted scales, logging scale, tuned RF, 2 IF stages, AVC, headphone jack, receive/standby switch. 8-3/4x16½x10½"D. 30 lbs. \$129.95.

NATIONAL NC-98 Receiver (1954). Covers .54 to 40 Mc in 4 bands. 8 tubes plus rectifier; 455 kc IF; 1 RF & 2IF stages. Calibrated electrical bandspread, xtal filter, tone control, S-meter, delayed AVC, antenna trimmer, ANL, phono input, receive-standby switch, BFO w/pitch control, large 6" indirectly lighted scales. 8-3/4x16½x10½" D. 30 lbs. Less sp&r \$149.95. NC98TS match.spkr \$11.



NATIONAL NC-300 Receiver (1955). Covers 160 thru 10 meters in 7 bandswitched bands plus calibrated scales provided for accessory converters for the 6, 2 and 1½ meter bands. 10 tubes, filament regulator, VR, and rectifier; dual conversion with 80 and 2215 Kc IF, noise figure 4db on 20 meters, .5, 3.5 and 8 Kc at 6db down selectivity, optional Xtal calibrator, crystal filter, SSB separate product detector, ANL, tone control, S-meter, phono jack, accessory converter switching using 30 to 35 mc tunable IF; muting terminals, accessory socket, slide rule dial over 1 ft. long; 19½x11½x 15. 60 1bs. For 110-120 VAC. Less speaker \$399.

socket, slide rule dial over 1 ft. long; 19½x11½x 15. 60 lbs. For 110-120 VAC. Less speaker \$399. NC-300TS Spkr \$17. NC-300C6 6-meter converter \$39.95; NC-300C2 2-meter converter \$39.95; NC-300C1 1½-meter converter \$39.95; XCU-300 plug-in Xtal calib. \$19.95.



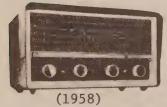
NATIONAL NC-66 Portable Receiver (1957). Covers 150 to 400 Kc and .5 to 23 mc in 5 bands. 5 tubes plus selenium rectifier; loop antenna and whip antenna built in; internal speaker, electrical bandspread, provision for external direction finder, receive-standby switch; for 115 VAC or self-contained batteries. 9-3/4x12\frac{1}{2}x10\text{"D. 16 lbs. \$129.95. RDF-66 Direction Finder loop accessory \$39.95. 220 VAC adaptor available.



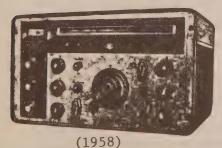
NATIONAL NC-109 General Coverage Receiver (1957). Covers .54 to 40 mc in 4 bands. 9 tubes plus VR and rectifier; 455 kc IF; Sensitivity of 1 to 2 uv for 10db S/N ratio; selectivity from .2 to 5.2 Kc at 6db down; calibrated electrical bandspread, crystal filter, S-meter, product detector for CW/SSB, ANL, antenna trimmer, tone control, phono jack, accessory socket. 16-3/4x10x 11"D. 35 1bs. Less speaker \$199.95. NC-109 matching spkr \$17.50; Xtal calib. for NC-109, XCU \$20.95; NFM-83-60 NBFM Adaptor available.



NATIONAL NC-188 Receiver (1957). Covers .54 to 40 Mc in 4 bands. 8 tubes plus rectifier; Sensitivity of 2.5 uv for 10db S/N ratio; selectivity of 5.2 Kc at 6 db down; calibrated electrical brandspread, S-meter, ANL, tone control, antenna trimmer, receive-standby sw. 10 x 16-3/4x11"D. 35 lbs. Less speaker, \$159.95. Receives AM, CW, SSB, has BFO. For 117 VAC operation. Matching speaker \$17.50.



NATIONAL NC-60 Receiver (1958). Covers .54 to 31 Mc in 4 bands. 4 tubes plus rectifier, 455 Kc IF, internal speaker, electrical bandspread and receive-standby switch. 7-5/8x13\frac{1}{2}x 8-5/8"D. 15 1bs. Large easy to read dial. Logging scale is included. For 115VAC or DC. \$59.95.

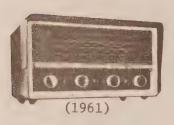


NATIONAL NC-303 Receiver (1958). Covers 160 thru 10 meter ham bands in 7 bands. Also has bandswitch positions and calibrated scales for use with accessory converters using the 30 to 35 Mc tunable IF input for the 6 meter, 2 meter, and 1½ meter ham bands. 12 tubes plus current regulator, VR, and rectifier; dual conversion wth 80 and 2215 Kc IF; sensitivity better than 1 uv for 10db S/N ratio; selectivity of .4, 2, 3.5, and 8 Kc at 6db down. Selectable SSB, separate product detector and noise limiter for SSB; ANL for AM; crystal controlled 2nd converter oscillator; fast attack slow release AGC for SSB/CW; Q-multiplier; tone control; provision

for optional crystal calibrator with front panel corrector and WWV reception; S-meter; muting terminals with provisions for accessory converter switching, muting and provision for RF gain control during transmission. Image rejection 50db to 80db all bands. 19½x11½x15"D. 64 lbs. For 110-120 VAC. Less speaker \$449. NTS-2 Spkr \$21.95. C6A 6-meter converter \$41.95; C2 2-meter converter \$43.95; C1 1½-m. converter \$45.95.

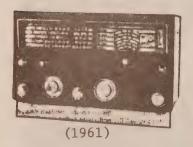


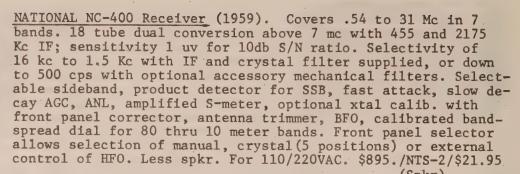












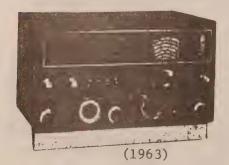
NATIONAL NC-270 Receiver (1960). Covers 80, 40, 20, 15, 10, and 6 meter ham bands in 6 bands. 8 tubes plus VR and rectifier. Dual conversion supehet with 230 and 2445 Kc IF; sensitivity 1 uv for 10db S/N ratio, selectivity 3 Kc at 6db down; adjustable bandwidth choice of 5 selectivities with Ferrite Filter; Selectable sideband, S-meter, built-in 100 Kc Xtal calibrator, 12:1 ratio inertia tuning control, separate AM linear detector, separate BFO for CW. ANL, T-notch filter, antenna trimmer, xtal controlled 2nd oscillator, receivestandby switch. 8-5/8x15-5/8x9". For 105-125VAC. Less speaker \$249.95. Matching speaker \$19.95.

NATIONAL NC-60B "Special" Receiver (1961). Covers .54 to 31 Mc in 4 bands with electrical bandspread on all bands. Giant easy to read slide rule dial with marked scales. 2-stage audio, built-in speaker, front panel phone jack, AVC, standby switch. Operates 115V AC or DC. 7½x8½x13½"W. 15 1bs. Has BFO, 0-100 logging scale, selectivity 5Kc at 6db down. AM/CW switch. Marine, Aircraft, Police, Shortwave, WWV markings. \$59.95.

NATIONAL NC-105 Receiver (1961). Covers .55 to 30 Mc. in 4 bands. 5 tubes plus rectifier; 455 Kc IF, Has built-in spkr, Q-multiplier, separate product detector for CW/SSB, ANL, electrical bandspread, S-meter, AGC, front panel headphone jack. 7-5/8x23½x8-5/8°D. 27 1bs. For 105-125VAC. \$119.95; Model NC-105W same but in Oiled Walnut Wood cabinet \$139.95.

NATIONAL NC-155 Receiver (1961). Covers 80 thru 6 meter ham bands in 6 bands. 8 tubes plus rectifier and VR; Dual conversion, 230 and 2215 Kc IF, sensitivity 1 uv for 10db S/N ratio. selectivity adjustable from .6 to 5 kc; operates from 105-125 VAC. Has ferrite IF filter w/adjustable selectivity, 60:1 planetary tuning drive, S-meter, provisions for xtal calib. with front panel corrector; product detector for CW/SSB; ANL; ant. trimmer, receive-standby switch. 8-5/8x15½x9"D. 38 lbs. Price less spkr \$199.95; NTS-3B Spkr \$19.95; XCU-109 lmc Cal. \$20.95.

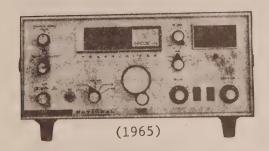
NATIONAL NC-190 Receiver (1961). Covers .54 to 30 Mc in 5 bands. 8 tubes plus VR and rectifier. Dual conversion with 230 and 2215 Kc IF; sensitivity 1 uv for 10db S/N ratio; selectivity adjustable from .6 to 5 Kc; operates from 105-125 VAC. Ferrite filterpial selector for either calibrated amateur or foreign broadcast bands to be selected on the bandspread dial at the flip of a knob. Has 60:1 bandspread tuning. AGC on SSB/CW/AM, separate product detector for CW/SSB, BFO control, edge reading S-meter, provision for xtal calib. with front panel control, ANL, antenna trimmer, receive-standby switch. 8-58x 15-5/8x9"D. 28 lbs. Less speaker \$219.95. NTS-3 spkr \$19.95.



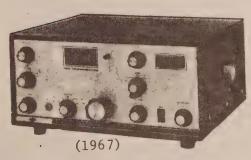
NATIONAL NC-140 Receiver (1963) Covers .54 to 31 Mc in 5 ranges. Dual conversion, 1 uv sensitivity for 10db S/N ratio. Has built-in Q-multiplier, product detector, dial selector choice of calibrated bandspread on 80 thru 10 m. amateur plus 5 most popular SW broadcast bands, RF stage, BFO, ANL, AGC, "Flip foot" cabinet support. 8-5/8x15-5/8x 9"D. 28 lbs. Less speaker \$189.95. NTS-3B Spkr \$19.95. XCU-109 Xtal calib. \$20.95. Operates on 105-125V AC.



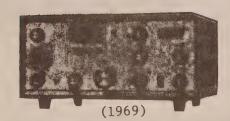
NATIONAL NCX-3 Tri-Bander SSB Transceiver - Covers 80, 40 and 20 meters SSB, CW, AM. 200 watts PEP-SSB, 180 wats CW, 100 watts AM. USB/20 meters, LSB 80 & 40 meters. Has VOX, PTT, grid block break-in keying, crystal filter SSB generation, AGC, S-meter, product & diode detectors, 45:1 main tuning ratio. 1 uv for 10db S/N sensitivity. 6x13-3/4x 11-3/4". Wt. 22 1bs. Less power supplies. Price \$369. NCXA Matching 115V AC Power supply w/speaker \$110. NCXD 12 VDC supply \$119.50. XCU-27 Xtal Calib. @\$26.60.



NATIONAL NCX-5 MK II 5-Band SSB Transceiver - Covers 80-10 meters SSB, CW, and AM. 200 Watts PEP-SSB, 200 watts CW with break-in keying, 100 watts AM with inserted carrier and 30 watt carrier output. Digital dial counter has readout to 1 kc and 100 cycle interpolation. Dual conversion, .5 uv for 10db S/N sensitivity, S-meter, manual PTT or VOX, separate SSB-AM detectors. Size 6-3/8x13-3/4x11-3/4". Shpg wt. 26 lbs. Less power supply. Price \$685. NCXA matching 115V. AC supply/speaker \$110; NCXD 12 VDC P.S. \$119.50. XCU-27 plug in calibrator 100 kc xtal \$26.60.



NATIONAL NC-200 5-Band SSB Transceiver - Covers 80 through 10 Meters, 200 watts SSB/CW and 100 watts AM. Variable pi-network, xtal filter, AGC, S-meter ALC, 45:1 dial vernier tuning, tunable VFO builtin. Sensitivity .5 uv for 10db S/N in SSB mode. Less power supply and speaker. Size 6-3/16x13-3/8x 11". 15 lbs. Price \$359.95. AC200 115/230 AC Supply \$75. XCU-27 100 Kc plug-in Xtal calib. \$26.60.



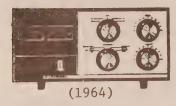
NATIONAL NCX-500 5-Band SSB Transceiver - Covers 80 through 10 meters, 500 watts PEP-SSB, 360 watts CW, and 125 watts AM. Has 3 kHz off-set tuning, a 2.8 kHz crystal filter provides selectivity on signal generation and receiving, product and AM detectors, Sidetone CW monitor through speaker, AGC, gridblock keying, 45:1 dial vernier, S-meter/final current, AF & RF gain controls, PTT operation, pi-network. Size: 6-3/16x13-3/8x11"D. Wt. 15 lbs. Less power supply and speaker, price. \$425. AC500 117/234 AC power supply \$99; MS3BB 4" mbile/fixed spkr \$6.49; XCU27 plug in 100 kc xtal calib. \$26.60.



NATIONAL NCX-1000 Solid-State 1 KW Transceiver - All solid-state except driver and PA, covers 80 thru 10 meters, selectible sideband at 1000 watts PEP, 1000 watts CW, and 500 watts on RTTY(FSK) or AM. 46 transistors, 38 diodes and 2 tubes(RCA 8122 final amp. Constant rate 5 kHz calibration all bands with 45:1 vernier dial. Stability 100 Hz after 10 minute warmup, carrier suppression over -40db, receiving sensitivity .5 uv for 10db S+N/N ratio, AALC 15db, built-in monitor speaker, 5 way metering, receiver off-set tuning, AGC, filter generation and selectivity. Has internal power supply for 117/234 VAC 60 Hz. Size: 7-3/4x16-1/8x13½"D. 59 lbs. wt. \$995.







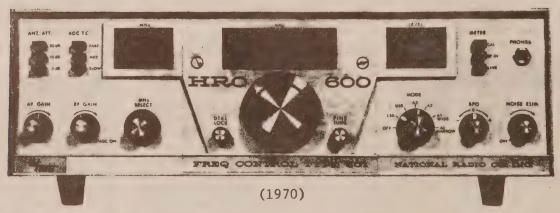
NATIONAL NC-77X Receiver (1963). Covers .54 to 31mc in 4 bands with electrical bandspread on all bands. Giant, easy to read dial with markings. Built-in 5" speaker. Has markings for AM broadcast, marine, aircraft, CB, CD, WWV, amateur and foreign shortwave broadcast bands. For 117VAC. 7-5/8x13½x 9"D. 18 1bs. \$69.95.

NATIONAL NC-121 Receiver (1963). Continuous coverage from .55 to 30 Mc in 4 bands. Large illuminated edge-reading signal strength meter, Q-multiplier, built-in 5" speaker, special bandspread calibration charts for all popular amateur and foreign broadcast bands. Separate RF and audio gain controls, separate combination BFO/product detector. AGC on CW/SSB/AM. Series gate noise limiter. For 117VAC. 7-5/8x13½x9"D. 28 lbs. Tuner output permits use with HiFi amp. Price \$129.95.

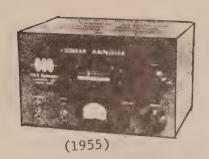
NATIONAL NCL-2000 Linear Amplifier (1964). 2000 W PEP linear amplifier input, true 1000 W. DC. Utilizes high plate dissipation output tubes designed for high power SSB service with 800 watts of available plate dissipation; full kilowatt CW, AM, RTTY service all day long. Driven by any exciter providing 20 to 200 watts of peak output. Antenna automatically switched to exciter when plate voltage is removed. ALC output provided for use with exciters having such provisions. Covers 80 thru 10 meters plus overlap at band edges. Full metering. 7-5/8x16½x12-3/4"D. 62 lbs. Built-in 115/230 VAC power supply. Desk top type cabinet. \$585.



NATIONAL HRO-500 Receiver (1965). Covers .5 to 30 Mc. Completely solid state, operates from 12/ 24 VDC or 115/230VAC. High selectivity filter: .5, 2.5, 5, 8 Kc bandwidths with passband tuning for SSB selectivity. AGC threshold control, 50db notch filter; phase locked frequency synthesizer for stability and calibration; 1 Kc calibration over entire range: over 24 feet of bandspread per megacycle. Complete SSB, AM, MCW, and CW modes w/ product and diode detectors. 7-5/8x161/2x 12-3/4"D. 32 1bs. Less speaker \$1,295. Model HRO-500P Portable version with built-in loudspeaker, self-contained rechargeable battery power, and waterproof carrying case available. Accessories: RMK-5 rack mount kit, HRO-500-TS matching table speaker; WPC-5 waterproof case.



NATIONAL HRO-600 VLF-HF Receiver (1970). Solid state receiving system custom-tailored to the user's requirements. Can operate AM, CW, SSB, FSK, and FAX from 10 kHz to 30 mHz in 30 one-mHz bands with proper frequency control plug-ins Type 601, 602, or 603. Crystal filter IF bandwidths are automatically matched to the reception mode selected. Frequency control: By synthesis of 1st injection (in 1 mHz bands) and VFO continuous tuning. Fixed-frequency crystal control or full synthesis options available. Remote frequency control terminals provided. Selectivity selected via the MHz Select switch. Tunable BFO, Sensitivity: .5 uv for 10db S+N/N ratio; Selectable AGCtime constant; Audio outputs: 1 watt at 10% distortion speaker output/ 600 ohm line impedance. 5½x17"x12"D. 35 lbs. Built-in 115/230 VAC power supply. Less speaker. ACCESSORIES: 610 DC Power supply; 620 Noise Blanker; 630 ISB adapter; 640 VLF/MF/HF Preselector; 650 FSK Converter; 660 Diversity Combiner; 670 Remote Control System.









P & H Model LA-400 Linear Amplifier (1955). 400 watts PEP SSB. High quality signal on SSB, AM, FM or CW with suitable 20 watts drive exciter (C.E. 20A suggested). Pi-output network matches wide variety of impedances. Grounded Grid input circuit. For 75,40,20 meter bands. Output impedance: 50-75 ohms all bands. 14½x10½x8½. 90 lbs. Built-in 117VAC Power Supply. \$169.95. Modified 1625 tubes for use with above \$3.75 each.

P & H Model LA-400B Linear Amplifier (1957). 400 watts PEP input SSB. Grounded Grid linear, may be used on SSB, CW, PM, FM, or AM. Rotary inductor for continuous coverage from 75 thru 10 meters. Low impedance untuned input for convenience. Requires 20 watts PEP drive for full output. Pi-network matches 50-300 ohm loads. Meter measures RF voltage input, plate current and RF output current. Has provision for applying blocking bias from exciter. Power supply built-in for operation from 105-125 VAC. 10½x14½x8-3/4". 52 lbs. \$199.95.

P & H Model LA-400C Linear Amplifier (1961). 800 watts PEP SSB input with 60 watts drive. Requires 30 watts of drive for 400 watts input on CW, FM, PM; 15 watts input for 200 watts linear AM. Pi-network output matches 50-70 ohms. Meter reads grid drive, plate current and RF amps output. Covers ham bands 80 thru 10 meters. Uses 4 modified 1625's in Grounded grid circuit. Built-in power supply with 2-816's. For 117VAC. 9½x15½x11". 55 lbs. Wired \$219.95. Same in kit form \$179.95.

P & H Model LA-500M "Spitfire" KW Mobile-Fixed Linear Amplifier (1963). 1000 Watts PEP SSB power input, 10 thru 80 meters. Single knob tuning, preset 50-70 ohm loading. 6-12JB6's in Grounded Grid. Built-in antenna switching to transceiver. Lighted meter measures plate input, RF output. Easily driven with most exciters/transceivers. 3"x12"x15". 15 lbs. Less power supply \$189.95. Model PS-1000 115VAC P.S. \$119.95; PS-1000B 12VDC Power supply \$179.95.



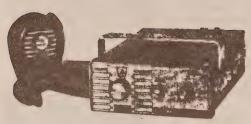
Polytronics POLYCOMM 6-Meter Transceiver - 10 Watts RF output, "Miniload" VFO w/virtually zero drift, dual conversion superhet, .1 uv sensitivity for 6db S/N, nuvistor RF amp, Selectivity: -6 db bandwidth 8Kc; 6:1 tuning ratio; AGC, adjustable squelch, ANL. Covers 49.750-54.250Mc. Size 11x5x10" D. Shpt wt. 23 lbs. Built in 117V AC/12VDC power. Complete with mtg bracket, mic. Price class \$329.50

Polytronics POLYCOMM 6-CD Transceiver - Same as above with VFO or Crystal controlled transmitter, accepted by Office of Civil Defense - Price class \$329.50.

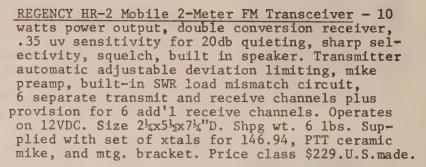
<u>Polytronics PolyComm 2-Meter Transceiver</u> - Same as PolyComm 6-Meter Transceiver shown and described above but covers 143.750-148.250Mc. Price class \$329.50.



Polytronics POLY-COMM PC-62 Six and Two Meter Transceiver Transmitter VFO or 2 crystal position controlled for RACES and CD work as well as covering 6 and 2 meter amateur ham bands. Power input 20 watts, class A 100% modulation, PTT microphone. Receiver is triple conversion tuneable superhet. 3 RF stages, Xtal controlled conv., squelch, ANL, AVC. Built in 117VAC/12VDC power supply. Size 11x 8½x5". Shpg wt. 21 1bs. Price class \$299.50.



(1970)

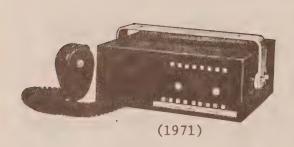




REGENCY HR-2A Mobile 2-Meter FM Transceiver - 15 watts power output at 13.6 VDC. Covers 144-148 MHz. 6 channel transmit, 12 channel receive capability. Sensitivity .35 uv for 20db quieting. 60db spurious rejection. 2½x5½x7½". Mobile unit including microphone, mounting bracket, and Tx and Rx crystals for 146.94 - \$229.

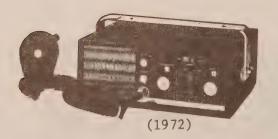
REGENCY Model TMR-1H 2-Meter FM Monitor Receiver. Single channel, less crystal \$109.

REGENCY Model TMR-12H 2-Meter FM Monitor Receiver. 12 channels, less crystals \$129.



REGENCY HR-2MS Mobile 2-Meter FM "Transcan"

Transceiver (1971). Push button control,
automatic signal search of any or all 8 channels. Readout lights detail the search. Signal
reception locks Transcan on listen, then resumes search. 15 watt output. Sensitivity:
.35 uv for 20db quieting. Squelch, PTT, operates from 12VDC supply. 10x4x8. Includes mic.,
Xtals for 146.94 both Tx and Rx. Price \$319.



REGENCY HR-2S 117VAC Base Station 2-Meter "Transcan". (Similar to above) 13x9x8½. \$349.

REGENCY HR-212 2-Meter FM Mobile FM Transceiver (1972). 12 channels which can be paired or independent receive and transmit for 144 possible combinations. Approx. 20 watts output. Channels Xtal controlled. Freq. range 144-148 MHz. Sensitivity .4 uv for 20db quieting. Includes mic., mounting bracket, Rx and Tx Xtals for 146.94 MHz. Price \$259.



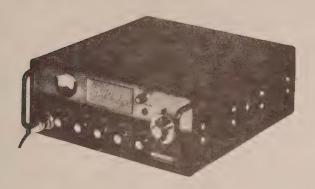
REGENCY AR-2 2-Meter FM Mobile Amplifier. 50 Watts output (boosts power 300%). Operates 12VDC. Price \$119.



REGENCY HR-6 6-Meter FM Transceiver (1972). Covers 52-54 MHz. 12 Xtal controlled channels with independent channel selector and individual channel netting capacitors. Fully transistor and solid state, uses 3 IC's. Receiver sensitivity .35 uv for 20db quieting. Selectivity 6db ±16 KHz. Built-in spkr. Full noise operated squelch. Transmitter; power output 25 watts; 13.8VDC power source; harmonic and spurious emissions 60db below carrier; phase modulation with automatic deviation limiting. FET mic. preamp input. 2-5/8x6½x9½ 6 lbs. Price \$239, mic, Rx and Tx Xtals for 52.525 channel 1 and mobile mtg. bracket included.



RF COMMUNICATIONS "Co-Pilot" SSB Transceiver. Single channel operation anywhere between 2 to 12 Mc. 50 watts output (rear panel switch selectable 10 watts if desired to conserve battery power). Transistors used throughout with instant heat tubes in the P.A. final. Use as mobile, base station, or portable with 12VDC battery kit. 10x10x4", 12 lbs. Operates from 12VDC, low power consumption. \$385.



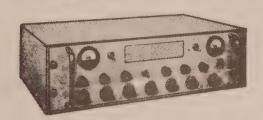
RF COMMUNICATIONS "Controller & Courier"
Series of SSB Base Station & Mobile Xcvrs.
Operate on up to 10 preset channels within
2 to 30 Mc. range. Transistorized with
tube final amp. Built in VOX, CW, squelch,
noise limiter, phone patch. 100 watts power
output. Meter and 5 controls on front panel
for simple operation. Choice of 12 or 24VDC
or 115/230VAC power supplies. Operates as
a fixed channel SSB Transceiver in desk top,
rack mount, or mobile mounting arrangements.
5½x14½x16½". 16½ 1bs not including P.S.



RF COMMUNICATIONS RF-301 (Military nomenclature AN/URC-58) SSB Transceiver. Frequency range: 2 to 15 MHz. Frequency synthesizer. Continuous tuning as well as 1 KC steps. 100 watts P.E.P. SSB output. Largely solid state with antenna coupler to match 9 foot whip to 150 foot long wire. Integral 115/230VAC power supply with DC modules installed wihin case for 12 or 24VDC operation. Stability ±1 pp 10



RF COMMUNICATIONS RF-301A (Military nomenclature AN/GRC-165) SSB Transceiver. Same specs as the RF-301 above but in a different case.



RF COMMUNICATIONS RF-505 HF SSB-ISB Receiver. 1.6 to 30 MHz. Has frequency synthesizer: 100 Hz steps. Frequency stability: ±1 pp/million. Sensitivity: .5 uv for 10db S+N/N. Modes: USB, LSB, CW, AM, ISB. All solid state. Dual power supply: 100 to 260VAC, 10 to 40VDC operation.



RF COMMUNICATIONS (Now a subsidiary of Harris-Intertype Corp.)

RF-130 1 KW HF SSB/ISB Transmitter (1972). Modes of operattion:
USB, LSB, AME (compatible AM), CW, and 2 or 4 channels ISB (DCA or CCIR compatible). Full 1 KW output. Covers VLF to 30 MHz.
Solid-state design, modular construction, full remote control capability, rapid automatic tuning, 115/230VAC P.S. or DC P.S. option available. Can be rack stacked with the RF-505A Rcvr, RF-601A Automatic Antenna Coupler, and RF-507 Preselector and Protection unit.

(1972)



RF COMMUNICATIONS (Harris) RF-505A HF SSB/ISB General Purpose Receiver (1972). Companion to the RF-130 Transmitter. Full coverage from VLF to HF up to 30 MHz. All solid state, LSB, USB, AM, CW, ISB, for reception of voice, telegraph, teletype, facsimile and high speed data signals. Synthesized receiver



(Pre-1947)



(1947)

RME (Division of Electro-Voice) Model RME-45
Receiver (pre-1947). Covers .55 to 33 Mc in 6
bands with overlap. Features "Cal-o-matic" automatic tuning and calibration of the scale so no further calibration adjustments are needed once the set leaves the manufacturer's test room. A single dial is used for tuning and the circular bandspread scale is geared 5:1 to the main scale. Has BFO, ANL, S-meter, both relay control and break-in connections provided. Has 5-position Xtal filter, stable for CW and AM reception. 224x12x11"H. 56 lbs. Price with speaker in a matching cabinet \$198.70.

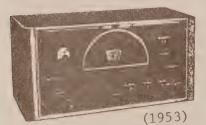
RME Model RME-84 Receiver (1947). Covers .54 thru 44 Mc. Dials of mechanical bandspread type provided by a vernier dial which makes 5 revolutions for the 180° rotation of the tuning capacitor. Spring-loaded planetary drive system eliminates backlash. Has ANL, BFO, Band selector, AVC, standby switch, RF and AF gain controls. Headphone jack on front panel. Built-in speaker. 18x9/2x9-3/4"D. Top is hinged. 28 lbs. Built-in 115 VAC power supply and socket for battery connection made feasible by low drain loctal tubes. Complete w/tubes and self-contained spkr \$98.70.



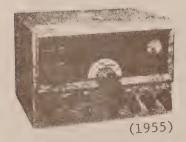
RME Model VHF 2-11 Receiver (1948). Receives both AM and NFM on the 2, 6, 11 and 10 meter bands. Includes built-in speaker and power supply. 11 tubes plus VR and rectifier. Sensitivity 1 uv for 50 milliwatts audio output. Has 2 IF stages, BFO with pitch control, series type ANL, NBFM ratio detector circuit, receives AM, NFM, MCW, CW, ICW. Hinged top cabinet 94x18x102"D. (S-meter shown not included) \$130. Carrier level S-meter as shown \$14.



RME Model RME-50 Receiver (1951). Covers .54 to 33 Mc Calibrated illuminated band-spread linear scale is divided into 500 divisions. Amateur bands calibrated in Mc. Oscillator temp. compensation and VR for stability. Has improved Xtal filter, antenna trimmer, builtin interference rejection control, BFO. Receives AM, CW and NBFM. For 110-125 VAC. With speaker \$197.50.



RME Model RME-79 Receiver (1953). Covers .54 to 30 Mc. Features "Dial-O-Matic" tuning with vernier bandspread and calibrated scales for Amateur bands. Has Xtal filter, antenna trimmer, S-meter, ANL, headphone jack, relay terminals on standby-receive switch. Provisions for SSB plug-in adapter with panel control, BFO, Voltage regulation. 22x11x11". 58 lbs. For 110-120 VAC with matching speaker \$287. RME-79S SSB Adapter \$75.

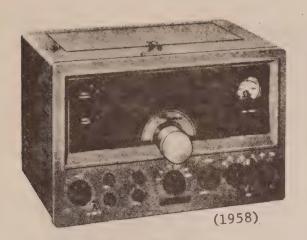


RME Model 4300 Receiver (1955). Covers 6 Ham bands 160 thru 10 meters. Large evenly graduated dial, temp. compensated components for stability, calibrated S-meter, 4-position selectivity control, Xtal filter phasing control, variable BFO voltage injection and pitch control, ANL, front panel calibration control, antenna trimmer, 455 Kc IF, RF gain control. Has Xmtr relay and break-in terminals, provision for SSB adapter. 16½x10¼x 10¼. For 117VAC. Less speaker \$194. Speaker \$17.50.

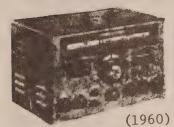


RME Model RME 4350 Receiver (1958). Covers 160 thru 10 meter ham bands in 6 ranges. 8 tubes plus VR and rectifier. Dual conversion superhet. w/455 and 2195 Kc IF. Sensitivity of 2 uv for 10db S/N ratio. Has dual speed tuning drive, crystal calibrator with front panel correction; adjustable selectivity Xtal filter; antenna trimmer, ANL, adjustable BFO injection, S-meter, receive-transmit-standby switch, provision for external SSB adapter. For 117 VAC. 10x16\frac{1}{2}x10"D. 32 lbs. Less speaker \$249. Model 4302 speaker \$17.50.

(1958)



RME Model RME 4350A Receiver (1958). Xtal controlled dual conversion superhet receiver for ham bands 160 thru 10 meters. Sensitivity 1 or 2 uv throughout tuning range. S/N ratio 10db at 2 uv. Selectivity(without X-tal filter) 2.8 Kc at .0db. Notch rejection with Xtal filter 35 db. Dual tuning ratio: 75:1 and 1:1. Receives SSB, CW, AM phone. Temp. compensation and VR reduce drift. Calbibrated S-meter, BFO, antenna trimmer, 100Kc Crystal calibrator with panel adjust built in. Band selector switch, RF gain control, ANL, Receive-Transmit-Standby switch. 16½x 10x10"D. 32 lbs. Less speaker, for 117VAC, \$249.50. 4302 matching speaker \$17.50.

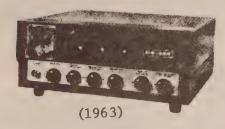


RME (G C Electronics) Model RME 6900 Receiver (1960).

6 band dual conversion superhet covering 80 thru 10
meter bands plus an additional 10-11 Mc band. 11 tubes
plus VR and 2 silicon diodes. 57 and 2195 Kc IF; Sensitivity 1 uv at 10db S/N ratio; adjustable .5, 2.0 and
3.6 Kc selectivity; dual speed tuning drive; SSB, CW,
AM reception; Xtal calibrator with front panel corrector;
Xtal filter with adjustable selectivity; antenna trimmer, ANL, S-meter, adjustable BFO injection; receivetransmit-standby switch; separate SSB detector; T-notch
filter, adjustable delay AGC. 61½x10x10 36 lbs. For 117
VAC, less speaker \$349. 4302 speaker \$17.50.



RME Model HG-303 Transmitter (1963). Covers 80-10 meters. 75 watts input to a 6146 final, CW. Has pinet output, silicon powered 115VAC supply, 3 Xtal sockets for crystal control or external VFO control, grid block keying. Bandswitching 80-10 meters. Full metering. Input jack for external VFO and provisions for external modulator. 4½x8x9". 25 lbs. Designed for top quality CW operation. \$99.95.



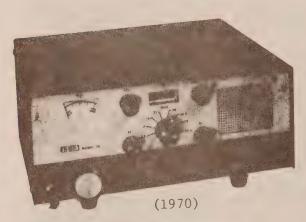
RME VHF-602 Transmitter (1963). Covers 50-54 and 144-148 Mc with 60 watts CW and 50 watts AM input. Has 6146 final, fully metered, silver plated coils, push-pull plate modulation, is well TVI suppressed. Has speech clipper, 10 tubes, internal 115VAC power supply. 4-3/4x12½x12". 32 lbs. \$179.95.



SIDEBAND ENGINEERS SBE-33 SSB Transceiver - 80, 40, 20, 15 Meters, 135 Watts PEP input, USB/LSB, Uses Collins mechanical filter, highly stable VFO circuit. Receiver 1 uv sensitivity for 10 db S/N ratio. Size 5½x11-3/4x10½". Wt. 20 lbs. Complete with built-in AC supply. Price \$389.50 SBE-33 DCPS DC Inverter \$59.50; SBE-33-MB Locking Mtg. Base \$12.50; SB-ICC Carrying case \$39.50; SB-1 VOX/Speech Clipper \$39.50. Crystal Calibrator \$27.50.



SIDEBAND ENGINEERS SBE-34 SSB Transceiver - 80, 40, 20, 15 Meters, Solid state, transistors except tube driver and final. Uses Collins mechanical filter provides selectivity both transmit and receive. Built-in speaker, carrying handle on case. 135 watts PEP, selectable sideband, input, Sensitivity luv for 10db S/N; Delta off-set receiver tuning. VOX and calavailable accessories plug in rearSize: 5x11½x10"D. Wt. 20 lbs. Price \$395. (Comes complete with built-in AC and DC power supplies). SB2-VOX \$34.50; SB2-XC Calibrator \$24.50; SB2-MN Mobile Mount \$12.50; SB1-MIC magnetic mic. \$14.50.



LINEAR SYSTEMS, Inc. SBE-35 5-Band SSB Transceiver - 80 thru 10 Meters, 260 Watts PEP-SSB/CW input, solid state except for tube final. Selectable sideband, crystal filter generation, double conversion receiver with off-set tuning, built-in speaker, 30 transistors, 8 FET's, low noise. 115VAC and 12VDC supplies built in. Provision for mounting VOX and 25 kHz cal inside. Price \$549. SB3-VFO for Remote VFO versatility \$89.95; SB3-VOX \$29.95; SB5-XC 25 kHz solid-state calib.-\$24.95; SB2-MIC PTT coil cord dyn. mic.\$16.25; SB3-FL 500 cy CW filter \$16.95; SB3-MB mobile locking mount \$14.95.



SBE MODEL SB-36 SSB/CW DIGITAL TRANSCEIVER (1972). 91 Solid state devices, 6 tubes. Full coverage of 10 thru 80 meter bands. 500 watts PEP SSB input, 400 watts CW. Nixie tube readout to 100 Hz, IF noise blanker, RIT ±7 KHz, internal VOX, selectable sideband without frequency shift. Price with matching AC Power supply/Speaker \$895.



SBE MODEL SB-144 2-METER FM TRANSCEIVER (1972). All solid state, 10 watts output. 12 channels, back lighted numbers. Large scale combination S/output meter. Uses 44 solid state devices. Works on 12VDC. Price complete with 3 pairs of crystals and PTT dynamic mic. \$239.95.





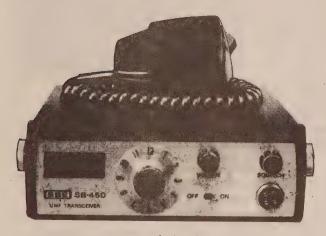
SBE (Sideband Engineers) Model SB1-LA Linear Amplifier (1964). 1000 watts PEP on 80-40-20 and 750 watts PEP on 15 meters. 4-Band coverage 80-40-20 and 15. Requires 75 watts drive for full KW input. Has built-in heavy duty power supply. Uses 6-6JE6's connected in parallel. Has built-in antenna control relays. Solid state power supply, two meters, blocking bias. 5½x11-3/4x11-3/4"D. 40 lbs. Price \$279.50. Meters show plate current & output.

SBE Model SB2-LA Linear Amplifier (1967). 1000 Watts PEP input on 80-40-20, 750 watts on 15 meters. Requires 60-100 watts drive to passive grid circuit. Dual meters for plate current, RF output. Built-in solid state 117V AC supply. Built in antenna and control relays, internal blocking bias. Uses 6 6JE6 tubes in parallel. Hi-Lo-TUNE Operate switching. Pi-network. 5\frac{1}{2}x11-3/4x11-3/4"D. 43 lbs. Price \$259.



(1969)

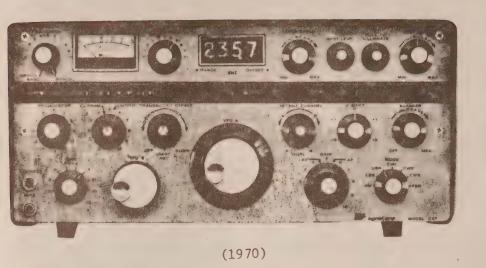
SBE (Linear Systems, Inc.) Model SB-3LA Linear Amplifier(1969) 5 Bands 80-10 meters. A full 2 KW PEP/SSB input. Bandswitching with adjustable Pi-net matching. Employs a pair of 3-500Z triodes. Built-in 115/230 VAC power supply. Includes internal realys for instant in-out switching with the exciter/transceiver. Dual meters for HV-Grid and IP-Relative RF output. Adjustable solid state ALC. Requires approx. 100 watts drive for full output. Runs cool. 14½x8½x14½"D. 50 lbs. \$619.



(1972)

SBE (Linear Systems, Inc.) SB-450 UHF/FM Transceiver (1972). Covers 420-450MHz. Has 12 channel capability, delivers 5 watts FM output. All solid state. Operates from 12V battery or 115VAC for base station use with available accessory A.C. supply. Uses 1 SCR, 4 IC's, 29 transistors. Panel meter shows relative response a receive, power output on transmit.

sets of Xtals supplied for repeater and simplex operation. Both transmit and receive xtals have individual trimmers for exact frequency centering. Uses exclusive SBE Super Shape crystal lattice BP filter.



SIGNAL/ONE (Div. of ECI an NCR Subsidiary) -CX7 DeLuxe Integrated Station(Transceiver). Integrated Transmitter-Receiver offering instant bandswitching, razorsharp selectivity, velvet smooth tuning with 100 Hz readout, SSB, AGC, full break-in CW, spotting. 300 watts of power, an RF clipper, an extra receiver, an electronic keyer and power supply built in. "A room full of gear in one compact desk unit." \$2,195. (Price includes a 300 p. Technical Manual - \$12 separate)

SIGNAL/ONE CX7A - (1971 - produced by Computer Measurements, Inc.) - DeLuxe Integrated Station (Transceiver). All modes 10 thru 160 meters in full 1 MHz bands with overlaps. Broad-band tuning for instant band changes without retuning. bands with overlaps. Broad-band tuning for instant band changes without retuning. True Break-in CW with T/R switching. IF shift - deluxe QRM slicer. Pre-IF Noise Blanking, RF Envelope clipping. 2 VFO's, transceiver plus receiver, split operation, 2 receivers, 2 exciters. Has built-in: Spotter, FSK shift, transmit, offset, wattmeter, SWR meter, electronic CW keyer, 115/230 VAC Selectron transformer for esceptional regulation. Sensitivity .25 uv for 10db S+S/N Ratio at 28 MHz. Selectivity: 2.4 KHz at -6db, optional CW-400 Hz, CW-250 Hz, FSK-1200 Hz (16 pole crystal lattice filters). Ultimate attenuation 60db+. 60db carrier, unwanted sideband, image and IF rejection. Power level: 300 to 500 watts PEP continuous duty all bands, all modes, output adjustable down to less than 1 watt. 8072 duty all bands, all modes. output adjustable down to less than 1 watt. 8072 final, broad-banded driver and final, 150 watt continuous dissipation rating. Readout accuracy, linearity, to 100 Hz at any point in any band calibrated at any 100 KHz. Price class \$2195.



(1972)

SIGNAL/ONE CR-1200 Receiver (1972). "State of the Art" Receiver. Has single VFO, I.F. Shift, Noise Blanker, High sensitivity and selectivity. Covers all modes of operation. Price \$1095.



SIGNAL/ONE CR-1500 Receiver (1972). Special application receiver. A dual-channel, dual VFO receiver with excellent sensitivity and selectivity. Price class \$1650.



SIGNAL/ONE CT-1500 "State of the Art" Transmitter (1972) Single VFO, 300 watts, incorporates all modes of operation, includes the Signal/One RF envelope clipping, broadband tuning, full-automatic CW keying. Requires external PS-10 AC or PS-10 DC power supply (\$210 each). Price less power supply \$1450.

SIGNAL/ONE CX-10 Integrated Station Transceiver (1972). Single VFO built in but can also be used with optional external VFO. Optional plug-in keyer. Has features of the CX7A but at a lower price. Requires either PS-10 AC or PS-10 DC Power Supplies (\$210 each). Price class \$1795. EV-10 external VFO for CX-10 \$225. Other Accessories available: CX7S Speaker \$39.95. CX-2X 2-Meter Transverter \$460. CX-6X 6-Meter Transverter \$460. (Transverters have direct digital readout, FM capability)



SONAR Model VFX 680 All Band Exciter (1946). Complete Narrow Band Frequency Modulated phone and CW exciter. Oscillator operates from VFO to crystal control by varying the VFX control, any type cut crystal becomes "rubberized". Covers 160 thru 2 meter bands. Power output 4 to 6 watts. Has monitor circuits for CW and NBFM phone with output jacks on front panel. Deviation indicator is self-contained cathode ray tuning indicator. External relay control provided for remote operation. CW and break-in operation permitted without shutting off the oscillator. Plug-in cois with 40-20 meter coil supplied, other frequencies \$1.50 each. 8 tube circuit including VR and rectifier. Hi-Z Xtal or dynamic mic. may be used. 110-125VAC. 5½x19x8½". 30 lbs. \$87.45.



SONAR Model MB-611 Transmitter (1946). For 10-11 Meter operation (available for 6 meters on special order). Mobile or fixed station using external AC, Dynamotor, or Vibrator power source supplying 250-600 volts at 100 Ma. Phase modulator with direct Xtal control. Crystal or external VFO control. Hi-Z mic input. Screwdriver set locking tuning condensers. Dual indicator for RF tuning and deviation, adjustable from 2 to 3 Kc. Will match any antenna or transmission line. Power output approx. 22.5 w. 10 1/2×7×5". 20 lbs. Less power supply \$72.45.



SONAR Model SRT-75 Transmitter (1948). Allband NBFM and CW transmitter. 50 watts output to any type antenna or load. Uses the VFX 680 Exciter link coupled to a new AMP 50 amplifier which uses a 2E22 in the final. Built-in AC power supply. Table top unit. \$203.67. (The AMP 50 and the PS 50 power supply available separately, too).



SONAR Model SR-9 Mobile Receiver (1951). 9 tube superhet, AM and FM, your choice of 2, 6 and 10 meter models. Sensitivity .5 uv. Has built-in automatic noise limiter, VR oscillator, precision slide rule dial. (2 meter model dial calibrated 143.8 to 148.1 plus logging scale.) 5 x5-3/4x4-5/8. 5 lbs. 3 watts audio to external speaker. Less spkr & Power S. \$72.45. Also for mobile or fixed CD, CAP, commercial, emergency use.



SONAR Model MB-26 Mobile Transmitter. Crystal controlled 6-tube transmitter. 6 watts output. Has built-in antenna relay system, power filter network. Covers 2 meter band, engineered for CD, emergency, other 2-way communications uses with medium power. Has PTT, 6-position meter switch, plate tuning, and antenna control on front panel. Uses 8 or 24 Mc crystal overtone type, screwdriver adjustable locking tuning control. 6½x 7x6"D. Power and antenna coax connectors on front panel. Less power supply: 6V @2.5A Filament, 225-300V @100 to 150 Ma. required. Steel cabinet, copper coated. Price \$72.45. (1951).



(1951)

SONAR Model MR-3 Mobile Receiver (1952). 5-Band Mobile receiver covering 80 thru 10 meters. Copy SSB and CW. Has BFO, ANL, full 180° electrical bandspread all bands. Better than 1 uv sensitivity. 500 Kc IF's. 8 tubes including VR. Tuned RF mixer and oscillator circuits. 10 slug-tuned circuits. Illuminated dial. Temp. compensated oscillator. 5½x5-3/4x4-5/8"D. Less power supply and speaker \$89.95. Model MR-4 same except covers only 80/75-40-20 meters \$89.95. Model MR-5 same except covers only 80/75-20-15 meters \$89.95.

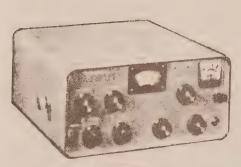


SONAR Model SRT-120 Transmitter (1953). Signal is TVI suppressed. 6 Bands with single knob bandswitching 80 thru 10 meters. Pi-network, low pass filter, 100 watts phone, 120 watts CW input. 2 Xtal and VFO provision, front panel metering all circuits. Amperex 9903/5894A final. PTT relay, builtin Class B modulator. Choice of fixed station or mobile cabinet. Kit less power supply \$159.50; Wired \$198.50. Model SRT-120-P Kit includes Power supply \$198.50: SRT-120-P wired \$279.50.



SONAR Model CD-2 2-Meter AM Transceiver. 27 watts Plate power input, 17 w. output. 8 crystal channels, plate modulated, PTT operation, image rejection 60db, harmonic suppression 60db, P.P. Final. 110VAC and 6VDC operation. Double conversion superhet receiver, sensitivity: .5uv. Designed for CD fixed and emergency operation but usable on 2-meters for QSO'ing. Provisions for complete remote control.

SONAR Model CD-6 6-Meter AM Transceiver. Similar to the CD-2 above but for 6-meter operation.



SONAR MONO-BANDER SSB TRANSCEIVER.

Tate models for 10,15,20,40 or 80 meter bands.

180 watts PEP SSB, 160 watts CW input. 50db unwanted sideband suppression, 60db carrier suppression. Driver stages employ electronic tuning. AMC(automatic modulation control); VOX/Anti-Vox/PTT; USB/LSB/CW modes. 4-way meter function: S-meter, Transmitter P.A. grid, Plate, modulation Receiver has 1 uv sensitity for 10db S/N ratio.

Full AVC, Collins 2.1 Kc mechanical filter. 5-3/4 x11-3/4x11-3/4. Less power supply/spkr \$395 ea.

117/220VAC Power supply/spkr \$135; 12VDC P.S.\$135



SONAR FOUR-BANDER SSB-CW TRANSCEIVER. Covers 80,40, 20 and 15 meters. 200 watts PEP SSB input, 180 w. CW. Sensitivity .2 uv for 10db S/N ratio. Selectivity: 2.1 Kc with Collins mech. filter. 100 Kc Xtal calibrator built-in. 5-3/4x11-3/4-11-3/4. 10 lbs. Less power supply, spkr. \$495. AC-10 optional "piggyback" AC supply/spkr \$135. DC-10 12VDC PS \$135



SONAR Model 2301 132-174 MHz VHF-FM Walkie-Talkie (1968). All silicon transistor. Compatible with narrow band systems. Receiver and transmitter usable on independent frequencies. 1.6 watts. Dual conversion. Electronic mode switching. One pr. crystals in the 132-174 MHz range. Operates on 12 penlight batteries, included. 7-3/4x3x1-5/8. 2½ lbs. Built-in speaker, whip antenna. Price \$375.

(1968)



SONAR Mobile Power Amplifier

Model BR-2906. (1971). Linear
amplifier designed for use with
2-way mobile radio equipment.
Can be used with transceivers
operating in the 10 meter (28MHz)
Amateur band. Up to 170 watts input power with only 1-15 watts of
drive. Operates on FM, AM, SSB
modes. Tube and transistor circuit, includes automatic transmit/
receive switching. Complete with
remote power switch, indicator control and mounting brackets. Input
and output impedance 50 ohms. Operates on 12VDC ng. grd. 4-3/4x
8½x10½". 12 lbs. \$129.99



(1970)

SONAR Models FM3601 (10 Watts) and FM3602 (25 Watts) 2-Meter FM Transceivers. 8 channel mobile-base unit with instant push-button tuning/switching; solid state, mechanical filter, glass-epoxy printed circuits, dual-gate FET mixer, compact. Price complete with microphone, quick removal mobile mtg. tray, 2 pair Xtals (146.94T/146.94R and .34T/.94R). Operates on 12VDC or with optional Model PS-2923 AC Regulated Power Supply(\$39.95). Prices: FM3601 \$299.95, FM3601 \$350. Both have overload protected RF stage.



SONAR Model 2307 VHF-FM 2-Meter Hand-held Transceiver, 5 channels, compatible with all 2-way communications systems; snap-in Nicad battery pack cartridge; receiver and xmitter can operate on independent frequencies; electronic switching, no relays. Receiver and transmitter sections easy servicing individual modules. Compatible with collapsible antenna and shoulder carrying strip. \$450 less crystals and battery cartridge.

(1970)



SONAR VHF Sentry FM/AM Monitor Receiver Model FR-103SA (1972). Receives AM Broadcast, Monitors 3 slide switch selected Xtal controlled 2-meter channels. Has telescoping whip antenna and ferrite-bar AM antenna. Fair AM sensitivity, .3 uv for 20db quieting FM receoption. Smooth stable squelch action by thumb-wheel control on side of case. Built-in speaker with earphone jack. Miniature dc voltmeter shows relative battery voltage during operation. Operates on small 9 volt standard battery replaceable through a trap door. Adequate selectivity with no adjacent channel spillover. AM tuning dial use permits a slight tuning above and below the Xtal frequency in 2-meter FM use. 6x25x2"D. 11 ounces. 9 volts DC battery. Price class \$50.

(1972)

STANDARD SR-C806MA 2-Meter FM - Earlier version but essentially the same as the SR-C826M pictured and described below. Differences: 3rd channel supplied is another repeater channel 146.20 Tx - 146.80 Rx rather than the SR-C826M's 146.76 Tx - 146.76 simplex channel; Receiver sensitivity is given as .35 uv or less for 20db quieting rather than the SR-C826M's sensitivity of .4 uv or less for 20db quieting; spurious and image attenuation of the SR-C806MA is -50db while the SR-C826M figure is -65db; Price of the SR-C806MA is \$335 complete with microphone and built-in speaker but does not include the external alternator whine filter included in the SR-C826M's \$339.95 Pr. (1970)



STANDARD SR-C826M 2-Meter FM 12VDC Transceiver - 12 Channels (4 supplied: 146.94TX and RX, 146,34 Tx-146.76 Rx, 146.76 Tx-146.76, 146.34 Tx-146.94 Rx; Power output .8 or 10 watts, Deviation adjustable to + or - 10 kHz, factory set to + or - 7 kHz, spurious and harmonic attenuation -50db below carrier, phase modulation. Receiver sensitivity .4 uv for 20db quieting, squelch, dual conversion superhet. Size 7x2½x10"D, Wt. 4½ lbs. Complete with dynamic mic with coil cord, built-in speaker, and external alternator whine filter. Price \$339.95. ACCESSORIES SR-CL25-3H Solid state transistorized RF power amp. 25 watts output \$159.95; SR-C12/120-1BH Fully reg-

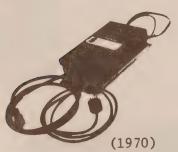
ulated AC power supply/speaker for base station use \$49.95; SR-CK002H Portable battery supply (10 D cells) \$19.95; SR-CAT05H 3db gain 5/8 wave fiberglass antenna \$27.95; SR-CMP02H Telephone handset \$49.95; SR-C202KH Remote 7 watt speaker \$18.95. Others.



STANDARD SR-C811SH Sub compact 2-Meter FM 12VDC Transceiver, 3 watt output, 6 channels, internal speaker. The addition of battery pack SR-CK002H and antenna SR-CAT06H make this fully portable. Power can be increased with addition of 25 watt amplifier SR-CL25-4 (146.94 mHz installed). Size: 4½x7x4½. Price \$199.95



STANDARD SR-C851SH - 25 Watt 2-Meter FM 12VDC Transceiver, 12 channel capabiltity, 2 power levels, external speaker. Price \$449.95 (146.94 mHz installed). Can be used base station with SR-C12/120-5H Fully regulated AC power supply \$89.95.



STANDARD Model SR-CL25-3H RF Power Amplifier (1970). Solid state transistorized R.F. power amplifier providing more than 25 watts output when driven by the Standard SR-C826M Transceiver. \$159.95.

STANDARD Model SR-CL25-4H RF Power Amplifier (1970). Solid state transistorized RF power amplifier providing more than 25 watts of power for the sub-compact SR-C811SH Standard transceiver. \$159.95.



STANDARD MODEL SRC-146 2-METER FM TRANSCEIVER (1972). Frequency 143-149 MHz (2 MHz spread). 5-channels (Supplied with 146.94 simplex, 146.34/.94 (same plug in crystals as SR-C826M). RF output 1 watt min. Sensitivity .4 for 20db quieting. Audio output 500mw. S-Meter monitors battery voltage in transmit position. 8½x3x1-5/8" W. \$279. Options: external mic, or mic-spkr, stubby flexible antenna, desk top charger, leather case.



STANDARD SRC-14U 22 Channel 2M FM Base Station
Transceiver (1972). 22 Channels; AC & DC supplies built in, Selectable 1, 3 or 10 watts input. Has receiver offset tuning, VOX, 3 front panel meters, PTT or Speaker control mike included.



(1972)

STANDARD 826MA 2-Meter FM Transceiver (1972). 10 watts, 12 channels (4 most popular channels included), RF output meter, "Astropoint" system for selectivity and sensitivity. Has Helical resonators & FET front end; provision for tone coded squelch to activate modern repeaters. Weight less than 5 lbs. (Selectable .8 or 10 watt input for battery conservation)



STANDARD SCA-RPT-1 2-Meter FM Repeater (1972). All solid state 2 Meter 10 Watt FM Repeater. Built-in C.O.R., adjustable carrier delay and time out repeater.

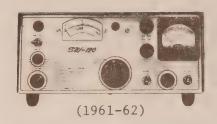


STANDARD SC-ARPT-1 2-Meter FM Repeater (1972). Complete packaged repeater for 2M FM. Operates from 12VDC. All solid state. Features: adjustable C.O.R.; time-out timer adjustable 0-5 minutes; adjustable carrier delay; remote control and accessory provisions; 10 watt RF output; receiver sensitivity: .4 uv or less; 19" rack panel mounting. Input provided for automatic identification. Squelch threshold sensitivity: .3 uv minimum. 30KHz adjacent channel selectivity is 90 db. 5 watts audio out put. Accessories: tone squelch, 117 VAC power supply, auxiliary local speaker. Price \$640.



STANDARD SRC-146A 2 Meter FM Transceiver (1972). 143-149MHz with 2MHZ spread; 5 channels (supplied with 146.94 simplex, 146.34/.94 (same plugin crystals as SR-C826M). RF output 2 watt minimum; sensitivity better than .4uv for 20db Q.S. 500mw audio output. Meter doubles as S-meter/and battery voltage. 8-3/8x3x1-5/8"D. 24 oz. \$289. Options: Private channel(CTCSS), external mic, or mic-speaker, stubby flexible antenna, desk top charger, leather case.

(1972)



SWAN SW-120 SSB TRANSCEIVER (1961). One band, covers the 20 meter band. 120 watts PEP SSB input to a 6DQ5 final. High frequency crystal; can be operated mobile, portable, fixed station. 117VAC power supply built in. Price class \$275. Matching 12VDC P.S. \$100.

SIMILAR SINGLE-BAND MODELS AVAILABLE: SW-140 for 40 meters; SW-175 for 75 meters. Price class \$275 each. Matching 12V DC Power Supply \$100.



SWAN SW-240 3-Band SSB Transceiver - 240 Watts PEP-SSB input, 200 Watts CW, 60 watts AM. Covers 20, 40 and 80 meters. Crystal lattice high frequency filter 3 Kc bandwidth -6db; -40db sideband suppression; -50 db carrier suppression. Break-in CW. Receiver sensitivity 1 uv for 10db S/N. 15 tubes. Size 5½x13x11" D. Wt. 11-3/4 lbs. Price class \$320 less power supply. SW-117AC power supply \$95; SW-12DC Power \$115. Sideband selector kit \$16; Mobile Mounting kit \$19.50 (SW-117AC Power supply includes 5x7 speaker).



SWAN 250 6-Meter SSB Transceiver - 240 Watts PEP-SSB, 180 watts CW input, 75 watts AM; 50-54 mc; vernier tuning covers 500 kc, calibrated in 5 kc increments; USB; 2.8 kc bandwidth with crystal filter at 10.7 mc; 40db sideband suppression, 50db carrier suppression; single conversion receiver for minimum image and spurious; ANL; separate AM detector; Pi output coupling; meter indicates cathode current or relative output; provisions for adding 500 kc calibrator or plug-in VOX unit. Size 5½xl3xl1"D. Wt. 17 lbs. Less power supply \$325. 117C AC Suply/speaker \$85; 412 12VDC P.S. \$130; VX-1 VOX unit \$35

SWAN 250-C 6-Meter SSB Transceiver (updated version of the SWAN 250 above). Includes selectible USB/LSB, and "S"Meter, and has the 250 kHz calibrator built-in, also improved calibration, frequency readout. Use internal VFO or split frequency with optional 210 remote VFO. Less power supply and speaker(use 117XC, etc.) \$420. (1968)

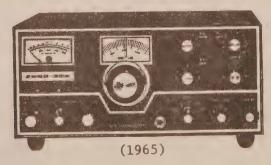


SWAN 260 "Cygnet" 5-Band SSB Transceiver + 80, 40, 20, 15 and 10 meters with full band VFO coverage. 260 watts PEP-SSB, 180 watts CW, built-in speaker, built-in 115VAC/12VDC Power supply, temperature compensated solid state VFO, "tuning eye", Pi-network, crystal filter for generation and receiving selectivity. Size 5½x 13x11" D, Wt. 25 lbs. Less microphone. \$435.

SWAN 270 Deluxe "Cygnet". Same size and power features as 260 above plus selectible sideband, a meter for final tuning and "S"Meter, a sharper CF network filter, AGC, ALC, separate AF and

RF gain controls, 100 kHz calibrator, and socket for optional VOX. Price \$525.

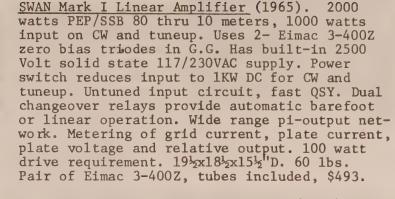
SWAN 270-B "Cygnet" 5-Band SSB Transceiver - (Same appearance as SWAN 260 above and same basic specifications as SWAN 270 except lower price because only the 115VAC power supply is included. The 12VDC power supply 14A DC Module is optional: \$39.50). Price of the SWAN 270-B "Cygnet" \$499. (1970)



SWAN 350 5-Band SSB Transceiver - 80 thru 10 meters. 400 Watts PEP-SSB input, 320 Watts CW, 125 Watts AM; crystal lattice filter, solid state VFO temperature stabilized, dual ratio tuning, ALC, AGC, S-meter, PTT with provision for plug-in VOX. Sideband suppression -40db, carrier suppression -50db. Size: 5½x13x11"D. Wt. 18 lbs. Less power supply. Price \$420. 117XC AC Power supply/spkr \$95; 14-117 12 VDC Power supply \$130; VX-1 Plug-in VOX Adapter \$35.



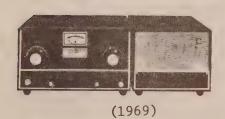
(1965)



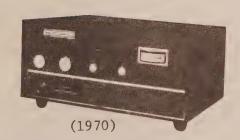


SWAN Mark II Linear Amplifier (1967).

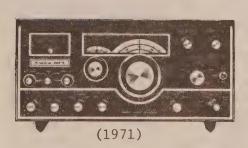
2000 watts PEP/SSB input, 1000 watts AM/
CW. 2- Eimac 3-400Z triodes in G.G. Planetary vernier drives on plate tuning and
loading controls. Low speed high volume
cooling fans. Covers 80 thru 10 meter ham
bands, 100 to 300 watts PEP drive. RF section 8x13x14"D. 20 lbs. Separate Mark II
AC/PS is solid state 2500V DC @1 Amp. Has
a 40 mfd filtering capacity for regulation,
cooling fan for continuous operation from
either 115 or 230VAC. Mark II w/tubes \$395.
Mark II AC/PS \$235. w/4½' connecting cable.



SWAN Mark 6B Linear Amplifier (1969). 2000 watts PEP/SSB input, 1000 watts on CW, AM, RTTY. 50-54 MHz. Uses 2- Eimac 3-500Z GG triodes. Requires 100 watts drive for full output. Meter selector shows plate voltage, plate current, grid current, and relative output. Includes transmit/receive relay control for simple operation with a transceiver. Wide range pi-output matches 52 or 75 ohm coax or other loads. RF section 13x8x14"D. 24 lbs. Matching AC 117/230V Power supply (shown right) included in Price of \$599. Both have quiet cooling fans.



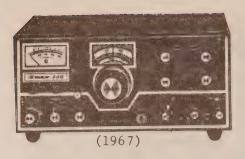
SWAN VHF-150 Linear Amplifier (1970). 180 watts input PEP/SSB, 150 watts DC on CW or FM. 143-149 MHz. Uses 5894B twin tetrode. Requires 2 watts drive for full output. Meter selector: reads plate current and relative output. Includes transmit and receive relay control for simple operation with transceiver; pi-coupling adjusted at factory for 50 ohms. Built-in 117 or 230 VAC P.S. with proper line cord. (Also DC operation with addition of 14C DC Converter). 13x5½x11"D. 26 lbs. \$279. 14C Converter \$65.



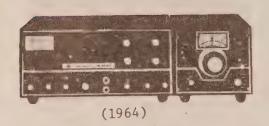
SWAN 600-R Receiver (1971). SSB, CW, AM and FSK modes. Full coverage 80-10 meters, continuous coverage from 3 to 30 MHz possible with external oscillator. Large knob and dial vernier tuning. Sensitivity: .25 uv for 10db S+N/N ratio. Selectivity: 2.7Kc bandwidth w/1.7 shape factor is standard (Options include .5KC CW, 4Kc AM, and SS-16 super selective filters). Crystal calib. with 25 and 100 kc selection. 7 tubes, 8 Xistors, 12 diodes hybrid design. Transceives with 600-T. CW sidetone, CW break-in, built-in AC supply. 15x 6½x12"D. Less speaker. \$395. Matching spkr \$18.



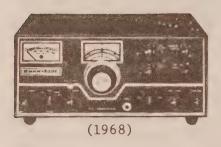
SWAN 600-T Transmitter (1971). Full 80-10 meters plus optional MARS. 600 watts PEP/SSB input, 500 watts CW, 150 watts AM input* Pi-network output for 50 or 75 ohm coax. Carrier suppression 60db, unwanted sideband 50db. ±3db from 300 to 3000 cy. audio response. Grid block, break-in keying CW with sidetone. Plug-in VOX accessory. 15x6½x12"D. Has built-in AC supply. \$495.*(100 w. AFSK input)



SWAN 500 5-Band SSB Transceiver - 80 thru 10 meters. A deluxe version of the 350 model: 480 watts PEP-SSB, 360 watts CW, 125 Watts AM. USB/LSB selectible, ANL, Built-in calibrator, selective filter, stable transistorized VFO, amplified AGC, PTT. Includes socket for remote VFO for independent frequency control, VOX, etc. Size 5½x13x11"D. Wt. 18 lbs. Less power supply. \$495. 117XC 117VAC Power supply/speaker \$95; 14-117 12VDC supply \$130; VX-1 Plug-in VOX \$35.

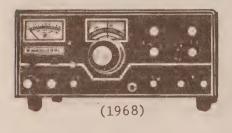


SWAN 400 5-Band SSB Transceiver (Shown with 410 VFO - 400 has no internal VFO); 80 thru 10 meters, 400 watts PEP-SSB, 320 watts CW, 125 watts AM input. Pi coupler, grid block keying, trans. metering 0-800 ma P.A. Cath., and Grid current. Provision for plug-in VOX. Crystal lattice filter 3 kc bandwidth common both transmit and receive circuits, Sideband -40db down, carrier down -50 db. Receiver sensitivity .5 uv for 10db S+N/N ratio; AGC, S-meter, 100 Kc Crystal calibrator, Built-in speaker. Size 5½x13x11"D. Wt. 15 1bs. SW-400 Basic Unit \$395. (Not operative without VFO - use SW-420 Full coverage VFO \$120; SW-406 Phone Band VFO \$75; Model 410 VFO \$95; or Model 406B Mobile VFO \$75). MARS Oscillator Model 405 \$45. 117-XB AC Power Supply \$75; 14-117 500 Watt Mobile Power supply \$130; 117B 115VAC Power supply \$85: 512 12VDC Power supply \$145; VX-1 Vox accessory \$35.



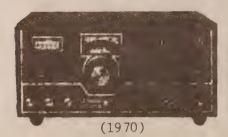
SWAN 350-C 5-Band SSB Transceiver - 520 Watt PEP-SSB, 80 thru 10 meters; 360 watts CW input, 125 Watts AM. Crystal lattice filter with excellent skirt selectivity and rejection common to both transmit and receive for 2.7 kc bandwidth. Sideband suppression 50db, carrier suppression 60db. Grid block CW keying. Transistorized VFO temperature compensated. Receiver sensitivity is .5 uv for 10db S+N/N ratio. Smooth dual-ratio tuning. Size 5½x13x11"D. Wt. 15 lbs. Requires external power supply and speaker. Price class \$420. 117XC Matching 14-117 12VDC Mobile supply \$130.

AC supply with speaker \$105.

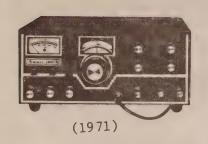


SWAN 500-C 5-Band SSB Transceiver - 80 thru 10 meters, 500 Watt PEP-SSB, 360 watt CW, 125 Watt AM input. Pi-network final, internal VFO controls tranmit and receive frequencies; high frequency crystal filter with 2.7 kHz bandpass for both transmit and receive; selectible sideband, grid block keying with internal sidetone and semi-break in CW with the VOX accessory. Solid state VFO, ANL, internal 100 kHz calibrator, dual vernier tuning. Requires external power supply and speaker. 5½x13'11"D. Wt. 15 lbs. Price \$520. 117XC AC supply/speaker \$95. 14-117 12VDC \$118.

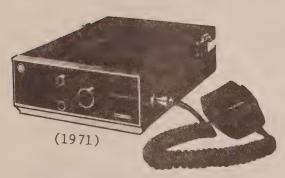
SWAN 500-CX 5-Band SSB Transceiver - All the features of the 500-C above plus the following improvements: New AGC circuit: faster attack, controlled decay; Amplified Automatic Gain Control (AALC) reduces tendency to overmodulate; new 25 kc and 100 kc marker crystal calibrator; carrier supression exceeding 60 db; improved Product detector; increased AF gain with less distortion; narrow band CW filter Accessory for installation in 117-XC matching power supply (Model AF-800). 550 Watts PEP SSB input. Price \$565. 117-XC AC supply \$105; 14-117 DC supply \$130; 508 External VFO \$145; 510X MARS oscillator \$55; VX-2 Plug in VOX; \$35; FP-1 Phone Patch \$48; AF-800 CW Filter \$28. (1970)



SWAN 1011 Transceiver - VFO controlled coverage of the 10 meter ham band; also has bandswitching to the 11 meter CB band for tunable RECPTION ONLY of all CB channels(transmitter disabled). 260 Watts PEP-SSB, or 125 watts AM. Size 5½x11x13". Built-in AC. Price \$499. 14A Adaptor for 12VDC mobile use \$39.50.



SWAN 160-X 160 Meter SSB-CW Transceiver. Switch selectable 50, 100, 200, and 400 watts PEP power. Amplified ALC; grid block CW keying; Off-set transmit freq.; semibreak in CW keying with plug in VX-2 accessory. Solid state high stability VFO. Receiver sensitity yuv for 10db S+N/N ratio; dual ratio 1 kc increments tuning; Crystal calibrator built-in 100 and 25kc; amplified AGC; S-meter; ANL; CW sidetone monitor. 13x5½x11 D. 15½1bs. Price \$429; with optional SS-16B Super Selective Filter installed \$489. Model 117XC AC supply/speaker \$99. Model 160VFO for separate transmit/receive operation \$95.



SWAN FM-2X 2-Meter Transceiver - 10 Watts, 12 channels; includes microphone, built-in speaker, AC & DC operation. 144-148 mc; crystals installed for 3 channels: 1(146.94T & R); 2(146.34T/146.94R); 3(146.34T/146.76R); phase type FM; PTT; Receiver sensitivity .5 uv for 20db quieting; Transmit freq. deviation factory set at 5kc, adjustable +or- 15 kc. Fully solid state. 8½x7x3". 8½ 1bs. Furnished with unit: dynamic mic, antenna connector plug, AC power supply, DC power cord and fuse holder, fuses and lamps. Price \$259.

Can be used with VHF-150 150 Watt 2-Meter amplifier (\$279 with 117 volt AC power supply).



SWAN 1200-W Linear Amplifier (1971). 1200 watts PEP/SSB input, 800 watts CW, 300 watts AM input. Covers 80 thru 10 meters. 4- 6LQ6 tubes GG triode configuration. Pi-output tank circuit for 50-75 ohm coax. Built-in 117VAC power supply, silicon diode rectifiers. Complete with cables, ready to plug into companion Swan 270B. 5½x13x11"D. 25 lbs. (Carrying handle included). \$189.

SWAN 1200-X Linear Amplifier (1972). 1200 watts PEP/SSB input, 700 watts CW, 300 watts AM input. Covers 80 thru 10 meters. 4- 6LQ6 tubes operating as grounded grid triodes. External ALC provision. Relative reflected power indication. 3rd order distortion down approx. 30 db. Pi output tank for 50-75 ohm coax. 117VAC power supply with silicon diodes. 5½x13x11"D. 26 lbs. Complete with cables to plug into matching companion Swan 270B. \$239. (Carrying handle included). (Similar appearance and cabinet to the Swan 1200-W Linear Amplifier shown above.)



SWAN MODEL FM 1210-A 2-METER FM TRANSCEIVER (1972). Covers 144-148. 144 channels (12 rcv, 12 xmt, independent switching). 8 Xtals included: T-146.22/.34/.76/.94. R-146.28/.88/.76/.94. Phase modulation. PTT on mic. Fully solid state. RF output 10 watts nominal. Freq. deviation 5 kHz. Dual conversion superhet recvr with sensitivity of .5 uv for 20db quieting. 2 watts audio output. Squelch threshold less than .3 uv. Furnished: AC power supply (shown), dynamic mic., antenna connector plug, spare fuses and lamps, DC power cord, mobile mtg. bracket. \$329. 8½x7x3". Weight 8½ lbs. Has xtal oven for stability.



SWAN SSL-250 Linear Amplifier (1972). Solid state, 250 watts PEP, \$299.



TEMPO "ONE" (Henry Radio) 5-Band SSB Transceiver - 80 thru 10 meters, 300 Watts PEP input; selectable USB/LSB; built in VOX; built-in calibrator; ALC; AGC. Receiver has .5 uv sensitivity; 240 watts input CW; VFO has 500 kHz range. Receiver off-set tuning. Less power supply. Price \$298. AC/One 110-220 V 50/60 cycle P.S. \$99. DC/One 12 VDC Power supply \$107

(1971)



TEMPO/fmv (Henry Radio) 2-Meter FM Transceiver - 146-148 mHz, 8 channels; RF power output 10 watts/13.8 volts; operates from 12VDC battery or optional AC supply; Receiver is crystal controlled double superhet; squelch is noise compensated adjustable type. Sensitivity 1 uv for 20db quieting; selectivity -6db at 6kHz; spurious rejection 60db+. Size aprox. 2½x6x7-3/4". Wt. 4½ lbs. 1 set of crystals included. Price \$249. Exciter and receiver are printed circuit board type. Xtal oscilla.plug-in.

TEMPO/fmv450 - 10 watt UHF Transceiver also available.



TEMPO/fma (Henry Radio) 2-Meter FM Transceiver - Similar to the TEMPO/fmv above but offers 25 watts of power with a lower 10 watt output power option to conserve batteries. Price \$349.

(1971)



TEMPO/fmp (Henry Radio) 2-Meter mobile/portable FM

Transceiver - 3 watts power output or battery saving watt option. With leather carrying case included for portability, accessory AC power supply for home use available. Battery pack included with unit. \$225.



TEMPO CT 220 TR FM/AM Transceiver — Completely solid state. 220 to 225 mHz operation. Transmitter: positions for 5 internal xtals(not supplied). 1 external crystal position and VFO input. Power output: 4 watts FM, 1½ watts AM. FM internally adjustable to 15 kc. Operates on 12 VDC (AC power supply accessory available). Receiver: Tuning meter for AM and FM. .6uv for 20db quieting. Tunable or pre-set to 5 internally adjustable frequencies. FM is detected by 1 imiter discriminator, 6db at 15kcs. 1 watt audio output — 5% distortion. Double conver-

sion receiver, 10.7 mHz and 455 kHz. ACCESSORIES AVAILABLE: AC Power Supply and Speaker. Internal amplifier to increase output to 20W FM and 8W AM. External VFO. External high power amplifiers for FM operation. Small size, only 7" wide. \$179.



TEMPO 2001 Power Amplifier (1972). Uses two Eimac 8874 grounded grid triodes, full 2KW PEP SSB input, compact, built-in solid state power supply, antenna relay, blower, relative RF power indicator. Full amateur band coverage from 80-10 meters. Price class \$545. 1000 watts input on FM or CW, 2000 w. PEP on SSB.



TEMPO 6N2 Power Amplifier (1972). Uses two Eimac 8874 grounded grid triodes, 2000 watts PEP on SSB, 1000 w. on FM or CW. Internal solid state power supply, ant. relay, blower, relative RF power indicator. Full 6 and 2 meter amateur band coverage. Compact. Price class \$595.

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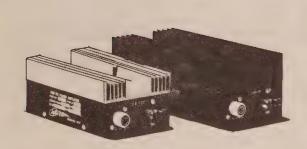
(1972)



TEMPO "2000" Linear Amplifier Full KW input all modes, band-switched 80 thru 10 meter bands. Grounded Grid input for compatibility with transceivers and transmitters. Self-contained solid-state power supply operational in 3 seconds from turn-on. Small legal-limit amplifier, companion to Tempo One Xcvr. Price \$395.



TEMPO CT Series Hi-Power Amplifiers for 2 Meters FM, mobile or base station operation. Model CT1002 VHF amplifier, 10 watts input drive for 120 watts amplifier. \$220. Model CT802 10 watts drive for 80 watts amplifier. \$160. Model CT252A 1 watt of drive for 25 watts amplifier. \$85.

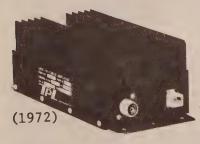


TEMPO CT 602-2 VHF FM 2-Meter Power Amplifier (shown left). 60 watts. 10 watts of drive. 6½x3½x3". Operates on 13.8 VDC. Price \$145. (12V DC Battery pwr source)

TEMPO CT 1002-2 VHF 2-Meter Power Amplifier. Operates from 12VDC power source. Automatic antenna switching when RF drive is applied. Balanced Emitter transistors. May be used any portion of 2-meter band without retuning. 100 Watt power. 10 watts of drive. 9½x4x3". can be installed anyplace since no switches or meters to read. Price \$220. (shown right in picture).

ADDITIONAL TEMPO CT SERIES POWER AMPLIFIERS Similar in appearance and specifications to the CT 1002-2 and CT 602-2 Models shown above. (Individual prices not known).

LUUZ-	z and c_1 c_0z_{-2}	LIOGETS SHOWIT OF	DOAC! (THOTATERON		A
			i Model No. Band	Input power	Amp. Power
			CT252-A2 2M	1 W.	25 W.
6M					30 W.
6M	1 to 10 W.	60 W.	01331 -		
		100 W.	CT220-40 220MH:	z 4 W.	40 W.
					80 W.
2M	25 W.				1 W.
2M	5 to 10 W.	95-100 W.	CT445-1 440MH		
			CT445-5 440MH	z 200mw to 1 W.	5 W.
ZM	2 to 10 M.		01110		15 W.
2M	1 W.	60 W.			
2M	5 to 10 W	45 W.	CT445-30 440MH		30 W.
			CT445-50 440MH	z 1 to 10 W.	60 W.
ZM	T W.	45 W.	11 01442 20 4401W		
	Band 6M 6M 6M 2M 2M 2M	Band Input power 1 to 10 W. 6M 1 to 10 W. 6M 1 to 10 W. 2M 25 W. 2M 5 to 10 W. 2M 1 W. 2M 5 to 10 W. 2M 1 W. 2M 5 to 10 W.	Band Input power Amp. power 6M 1 to 10 W. 30 W. 6M 1 to 10 W. 60 W. 6M 1 to 10 W. 100 W. 2M 25 W. 125 W. 2M 5 to 10 W. 95-100 W. 2M 5 to 10 W. 60 W. 2M 1 W. 60 W. 2M 5 to 10 W. 45 W.	Band Input power Amp. power Model No. Band 6M 1 to 10 W. 30 W. CT252-A2 2M 6M 1 to 10 W. 60 W. CT352-2 2M 6M 1 to 10 W. 100 W. CT220-40 220MHz 2M 25 W. 125 W. CT220-80 220MHz 2M 5 to 10 W. 95-100 W. CT445-1 440MHz 2M 1 W. 60 W. CT445-5 440MHz 2M 5 to 10 W. 45 W. CT445-30 440MHz 2M 5 to 10 W. 45 W. CT445-50 440MHz	Band Thip to Fower Jamps Power 6M 1 to 10 W. 30 W. 6M 1 to 10 W. 60 W. 6M 1 to 10 W. 100 W. 2M 25 W. 125 W. 2M 5 to 10 W. 95-100 W. 2M 5 to 10 W. 60 W. 2M 1 W. 2M 1 W. 2M 2 to 10 W. 2M 5 to 10 W. 60 W. CT445-1 440MHz 1 to 5 W. CT445-130 440MHz 1 to 10 W. CT445-30 440MHz 1 to 10 W.



TEMPO Model TPL502 VHF 2-Meter FM Power Amplifier (1972). 5 to 15 Watts input provides 45-50 watts output. 6½x3½x3" Price \$99.

TPL502

ADDITIONAL TEMPO TPL SERIES POWER AMPLIFIERS Similar in appearance and specifications

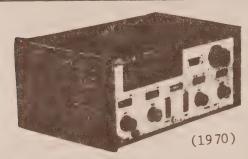
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Model No. Pw	r I	nput I	wr Output	Band	Price	Model No.	Pwr Input	PWr Outp	ut band	71100
TPL1002-3 5	to	25 W	100-135W	2M	S220.	II TPL50ZB	1 to 3W	45W	2M	\$130.
TPL1002-3 3	-	25 4	200 1331	2M	\$235	TPL252-A2 TPL445-10	1W	25W	2M	\$ 85.
TPL1002-3B 1			OUW	211	9233.	mp1 / / 5 10	1 +0 2 50	1 217	440MHZ	\$125.
TPL802 5W	1		80W	2M	\$180.	TPL445-10	1 LO 2.5W	TZW		
TPL802B 1	to	3W	80W	2M	\$195.	TPL445-30 TPL445-30B	4W		440MHZ	
222002	-	15W	35-55W	2M	\$99.	TPL445-30B	1W	30W	440MHZ	\$235.
TLFD07 2	LU	エンバ	22 2211	dies de de	T					



(1970)

TEN-TEC "Power-Mite" PM 1 QRP CW Transceiver -Low power CW 40 and 80 meters; power output approx. 2 watts. Optional crystal or flywheel slide-rule tuning dial tuning; receiver is Synchrodyne direct conversion and solid state CW transmitter; receives CW, SSB and AM; 1 uv sensitivity; selectivity 2 kHz -6db down. Operates from 12VDC source. Clean, easy to copy keying. Size 4½x10½x 6-5/8". Wt. 3 lbs. PM 1 is less case. Price \$49.95

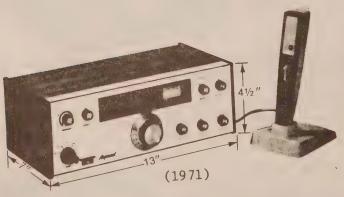
TEN-TEC "Power-Mite" PM 2 QRP CW Transceiver - same specifications as PM 1 above with baked enamel, walnut grain end panel case. Price \$54.95. PM 2A(with side-tone)\$59.95 PM 2B (with side-tone and 20 meters) \$65.95.



TEN-TEC "Power-Mite" PM 3 QRP CW Transceiver - Low power CW on 40 and 20 meters (15 meters and 80 meters optional accessories); power input approx. 5 W. Receives CW, SSB, AM, transmits CW. Receiver is a Synchrodyne direct conversion using a dual gate MOSFET and integrated circuit; 1 uv sensitivity; slide rule tuning dial; drift less than 100 Hz. 2 kHz selectivity from "M" dreived filter. Size 4½x10½x6-5/8. Wt. 2 lbs. Operates from 12VDC battery. Price \$69.95. PM3A(with break-in keying) \$79.95. Both PM 3 and PM3A have side-tone, rcvr mutg.



TEN-TEC Model RX10 Receiver (1970) Covers 80,40,20 and 15 meter ham bands in USB, LSB, CW, and AM modes. Has sensitivity of less than 1 uv for readable signal. 2 KHz at 6db down selectivity. Solid state receiver with synchrodyne circuit which uses a dual gate MOSFET mixer to convert signal directly to audio. Negligible drit after warmup. Features a built-in oscillator for code practice. Also makes a fine CW monitor when used with a CW transmitter. Audio drives high impedance headphones (3v. audio output across 1000 ohm load). 50-75 unbalanced antenna impedance. Has push button band selector, ant. tune, main tune, power on-off front panel controls. Antenna, key, and 12VDC power input socket on rear panel. For 117VAC or 12VDC operation. 10½x4½x6-5/8"D. Price \$59.95.



TEN-TEC "Argonaut" 5-Band SSB Transceiver - 80 thru 10 meters; power input 5 watts PEP SSB, 5 watts CW; output circuit broadband 50-75 ohms; PTT actuation; full break-in CW, built-in SWR bridge; integral TVI filter; drift less than 100 Hz. 9mHz crystal filter. Receiver sensitivity .5 uv for 10db S+N/N. S-meter. AGC fast attack, slow delay. CW sidtone. Incremental tuning. Separate AF and RF gain controls. 2.5 kHz bandwidth 1.7 shape factor at 6/50 db. Automatic sideband selection, reversible. Completely solid state.

All circuits permeability tuned. 25 kHz per revolution tuning rate. 4½x13x7"D. 5 lbs. Operates on an AC pack or lantern battery. Price \$288. AC Power Supply \$24.95. EV PTT Microphone (shown) \$17.



(1972)

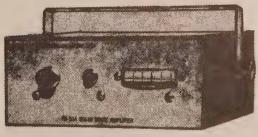
TEN-TEC Model 315 Amateur Band Receiver (1972). Solid State, covers 80-10 Meter Amateur Bands. Has permeability tuning on all bands in both RF and VFO sections. MOSFETs as RF amplifiers. .25 uv sensitivity. 9 MHz IF crystal lattice filter for SSB selectivity, optional 2 position audio CW filter inserts a 300 Hz or 800 Hz selectivity. Also has selectable skirt attenuation. Built-in speaker, headphone jack. Linear tuning reads frequency directly with 25 kHz tuning rate per revolution. Slide rule dial denotes band segments. Has Xtal 100KHz calibrator, sidetone input, T/R muting, VFO and carrier outputs permit either separate transmit or transceive operation with front panel offset tuning. Operates from 115VAC or can be converted for 12VDC. Has 5 plug-in circuit boards, for easy field servicing. Price \$229. CW Filter Model 235 \$14.95.



(1972)

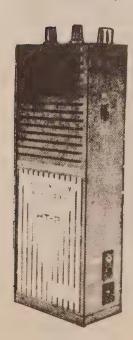
TEN-TEC Model 405 Linear Amplifier (1972). Solid-state, covers 10-80 meters, produces 50 clean sine wave watts to the antenna with 2 watts RF input. No tune-up, change bands in seconds. Antenna changeover is exciter actuated with front panel time delay control. It can be set for nearly instant CW break-in or optimum hold time for SSB. 2 meters constantly monitor the output in RF watts and SWR. No switches or controls to delay band changing. 4½x7x8". 2½ 1bs. Operates on 12VDC battery or using Model 250 115/230VAC power supply (\$49.). Price \$149. Keyer Model KR5/605 \$34.95; Model 215 Mic.\$17. Companion unit for the Model 505"Argonaut"Transceiver.

See additional VARITRONICS equipment listed under INOUE/VARITRONICS also.



(1972)

VARITRONICS Model PA-50A Solid State RF Amplifier. Class C amplifier designed for mobile FM. Internal RF switching, useable with any amateur FM transceiver with 5 to 12 watts output. Has calibrated output meter, mouting bracket, DC cord. RF output 50 watts. For 12VDC operation. 50 ohms in/out impedance. For any portion of the 2-Meter band. Spurious products down 50db. 6x7x2". \$129.95.



VARITRONICS HT-2, MARK II TRANSCEIVER (1972). Covers any 500 KHz between 134-150 MHz. 2-channels, all solid state utilizing I.C.'s for reliability. Mechanical & Xtal filters for selectivity. Available narrow or wide band. Rcvr double conversion superhet. Sensitivity .4 uv for 20db quieting. Bandwidth ±8 KHz at 6db. Audio output 500mw minimum. Transmitter RF input power 3.2 watts, RF output 1.6 watts minimum. Deviation adjustable ±5 to ±15 KHz. Output impedance 50 ohms. Operates from internal rechargeable ni-cad battery pack. Comes complete with leather carrying case with 2 straps, earphone & holder, whip ant., 3"spkr/mic., Ni-cad battery & charger, 2 sets Xtals of your choice. 1-7/8x3\frac{1}{2}x8\frac{1}{4}. 2\frac{1}{4} lbs. Controls: Volume control/power switch; squelch control; battery level meter. Price \$269.95.

(1972)

WRL (World Radio Laboratories) Equipment: (See equipment listed under GLOBE also.)



(1947)

WRL (World Radio Laboratories) Exciter Kit (1947). Uses a 6L6 regenerative oscillator into an 807 driver or final. Input 35-40 watts. Coils available for any band 80-10 meters. Meter switching provided. Mounted on standard relay rack panel 3½x19". 4½ lbs. Kit price complete w/tubes, 1 coil set, meter \$30.44; Wired & Tested \$36.44. (less power supply). 117VAC P.S. \$19.95. Note: 75 Watt input with suitable P.S.



WRL Novice CW 7 Kit (1951). Complete novice CW transmitter kit. Uses pentode section of 70L7 in Pierce oscillator working to a 50L6 final. Will operate 110 volts AC or DC. 7 watts input to final. Complete with tubes, self-contained power supply, tuning indicator, antenna, pi-network output, key and crystal. Kit \$19.95.



WRL "Meteor" SB-175 Transmitter (1963). Input power of 175 watts CW, 100 watts AM, 140 watts PEP/DSB. 75 watt novice maximum input switch selected. Covers 80 thru 10 meters, 100% modulation, uses "Compactron" tubes. Efficient Class C all modes. Requires VFO or Xtal control. Home or mobile station. TVI filtered. Requires external power supply. One knob band switching. 5x12x8"D. 10 lbs. Tubes: 6CL6, 5763; (2) 6DQ6B, 6D10 and 6AQ5. Wired \$99.95. PSA63A AC Power Supply Kit \$24.95; Wired \$39.95.



WRL Model 150 Power Amplifier (1969). 300 Watts PEP input. 3 watts will drive to 150 watts output. Automatic antenna relay. Uses 4 6JG6A with convection cooling, Pi-network output circuit for easy antenna matching. Tune 25-40 MHz so useful for 10 meter amateur operation. Internal 115VAC power supply. Amplifies AM/FM/SSB/DSB. \$189.



WRL Model 6706 Base Linear Amplifier (1969). Up to 160 watts PEP output to the antenna with 14 watt drive exciters. Cover 25-40 MHz so useful on 10 meter amateur band. Automatic antenna switching with a transceiver. Small exciter drive of 3.8 watts will deliver 50 watts PEP output power. Simple panel tuning controls with output power and on-off indicators. 117VAC solid state power supply built in. 20 lbs. Price \$109.95. Model 6801 Mobile Amplifier same except delivers 100 watts PEP with 14 watt drive exciter, and has 12VDC solid state built-in power supply. \$119.95.



WRL Model 6904 Base Linear Amplifier (1969). 500 watts PEP input and over 300 watts PEP output with just 3 watts drive. Covers 25-40 MHz so useful in 10 meter amateur operation. Pre-driver stage using 6JG6 drives 4 6LQ6 tubes in parallel. Cooled by heavy duty fan. Automatic antenna relay switching system. Amplify AM/SSB/FM/DSB/CW signals. 115VAC heavy duty solid state power supply built-in. 7x12x15". 60 lbs. \$329.



WORLD RADIO LABORATORIES(WRL) TECH CEIVER 6 6-Meter Transceiver TC-6 - Covers 49-54 Mc; 1 watt output; built-in PTT relay; 9-tube performance. Superhet rcvr with AVC, noise limiter, tuneable receiver, built-in speaker. Transmitter uses FT-243 8-mc range crystals. Fixed or mobile operation. 5x9½x6"D. Wt. 5½ 1bs. Less power supply. TC-6 Kit \$39.95. TCA matching 115VAC Power supply kit \$15.95; TCD-12 matching 12VDC Power supply kit \$24.95.



WRL's TC-6A TECH CEIVER 6-Meter Transceiver "Tom Cat" 6; superhet. receiver with RF stage; sensitivity .4 uv for-1 db S/N ratio; tunes 4954 Mc; 4 tuned IF circuits for selectivity of 15 Kc @-3db; ANL; AVC, built-in speaker. Transmitter input 5 watts AM plate modulated; built-in PTT relay; multi-section tubes; RF-Modulation indicator light. Less microphone and power supply. Size 5x94x6". Shpg. wt. 9 lbs. TC-6A Kit \$39.95; TCA 115VAC supply kit \$15.95.

WRL's TC-2 TECH CEIVER 2-Meter Transceiver - (Only a few prototypes of this 2-meter version similar to the 6-meter Tech Ceivers above were ever made.)

NOTE: The Atlas Amplifier and "Duo-Banders" below were made by Galaxy while WRL owned.



(1963)

WRL's Atlas 2KW Linear Amplifier (1963). Features 2000 watts PEP SSB input, 1000 watts CW, 600 watts AM. Output efficieny 65% plus. 80-40-20 meter operation, grounded grid circuit. Zener diode bias regulation. Solid state 115/230VAC pwr supply. Drive about 180 w. Internal antenna switching(wired for Galaxy 300, etc.). Dual meters: RF output-Voltage/Current. 50 ohms input/output impedance. 2 cooling fans, (4) UE572A final tubes. Cabinet matches Galaxy 300. Wt. 55 lbs. Factory wired, price class \$499.95. Galaxy made.





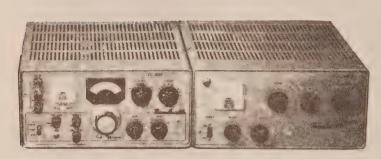
WRL's "DUO-BANDER 84" 2-Band SSB Transceiver - 80 and 40 meters, up to 400 Watts PEP-SSB input, LSB, crystal oscillator generation, transistorized VFO, RF output metering, pi-net network; EZ 1 knob tune-up just peak output; Receiver sensitivity 1 uv for 10 db S/N ratio; xtal littice filter with 2.7 kc bandpass -6db; AVC; S-meter; built-in speaker. Less power supply. Size: 5x11 2x10"D. Price (wired) \$159.95. Deluxe 400 Watt AC supply AC384A \$89.95; 400 Watt DC Supply DC384A \$99.95; 250 Watt AC Power supply AC48A \$49.95.

WRL's "DUO-BANDER II" 2-Band SSB Transceiver - 75 & 40 meters SSB, up to 400 Watts PEP input; E-Z one knob tuning; S & RF output meter; illuminated VFO dial; PTT operation; built-in speaker; printed circuitry, solid state VFO; mounting/carry handle for fixed/mobile use; sharp 2.7 kHz crystal filter; Pi-network output; relay switched antenna circuit; product detector with AGC; spurious -40db; -50db carrier suppression. Dual speed vernier dial knob, 2 kHz calibration. Size 5x11½x10"D. Less power supply. Price(Wired) \$169.95. AC-384A 115/230VAC 400 watt supply \$89.95; Model G-100CDC 12VDC P.S. \$125.

WRL's "Duo-Power 300" is a home-mobile 300 watt power supply for either the Duo-Bander 84 or Duo-Bander II above. 12VDC Battery or 115VAC Home outlet. \$149.95.

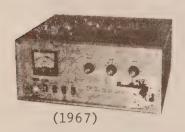


YAESU MUSEN (Spectronics West) FR-100-B Receiver. Double conversion superhet with Xtal controlled first mixer. 2 mechanical filters and a crystal filter for selectivity of 2.1 Kc for SSB, 2.1 or 4 Kc for AM, .5 Kc for CW. Easy tuning by 50 Kc division on main tuning knob, 1 Kc over entire 500 Kc range. Selectable Xtal controlled BFO, BFO buffer, ring demodulator for perfect SSB reception. Delayed AGC, Clarifier for full transceive with FL-200-B transmitter and easy "zero-in". Sidetone monitor of keying; 100 kc marker circuit built in with optional 100 Kc Xtal. FM reception possible with optional FM detector wired in cutout provided in chassis. Sensitivity .5 for 10db S/N ratio. Delayed AVC. Selectable SSB, CW and AM modes. 74x15x11-3/4"D. 24 lbs. For 100-240VAC. Less speaker, external 4 ohm speaker shown.

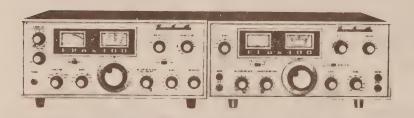


YAESU FL-200-B Transmitter. (Left)
Operates LSB,USB,CW and AM. 240
watts input PEP/SSB/CW 80 to 10
meters. AM input 60 watts. SSB
signal generated by mechanical
filter; stable VFO w/1 Kc reading
on main dial. VOX, PTT, break-in
CW front panel selected. Built-in
100-234V AC Power supply. External
frequency control for transceive
or Xtal controlled spot frequency
operation. Built-in antenna relay.
7½x15x11½"D.

YAESU FL-1000 Linear Amplifier. (right)960 watts PEP input 80 to 10 meters. Requires 30-100 watts PEP drive. Grounded GRid, forced air cooling, uses 4 6JS6 in parallel. Input approx. 60 ohms, output 50 to 100 ohms. Built-in changeover relay. Built in low pass filter for harmonic suppression. ALC circuit. 7½x15x11½"D. Has built-in 100-220V AC Power supply



YAESU FL-2000 Linear Amplifier (1967). Covers 80 thru 10 meters. 1200 watts PEP input, requires 50-100 watts of drive. 4 6KD6 in parallel, Grounded Grid, forced air cooling, self-contained 115/230VAC power supply, provision for transceiving with amplifier in standby, a built in SWR bridge, and ALC takeoff for use with the exciter are some of its features. Pi-network plate tank circuit. Meter reads SWR and plate current, forward and reflected power. 6½x14½x 11½"D. 45 lbs. Price class \$250.



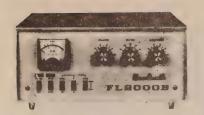
(Shown left)
YAESU FRdx400 Receiver./Covers
160-2 meters, including WWV and
CB. 4 mechanical filters result
in CW,SSB,AM and FM selectivity.
Separate AM-SSB-CW detectors,
squelch, trnsmit monitor controls, noise limiter, variable
delay AGC, built-in notch filter. 100KHz and 25KHz calibration markers checked by WWV.
Solid state FET VFO and directreading 1 KHz dial for read-out

YAESU FLdx400 Transmitter (Shown right). Operate to less than 200 Hertz. \$359.95.

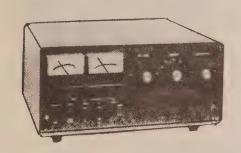
dual receive, transceive or split VFO operation
with the companion FRdx400 receiver. Has VOX, frequency spotting, break-in CW, SSB,
AM and optional FSK circuit. Built-in AC power supply, mechanical SSB filter, metered ALC, IC and PO. Solid state FET VFO rock stability. 240 watts PEP/SSB input, 120
w. CW, 75 w. AM. Covers 80 thru 10 meters w/option for certain specified others.

Price \$299.95.

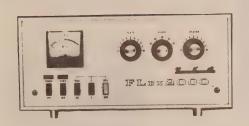
NOTE: An owner warns that the Yaesu FRdx400 pictured and described above is the "Super Deluxe" model imported by Spectronics and identified by a rubber stamp on the rear chassis. Two cheaper models called the "Standard Circuit" and "DX Circuit" imported direct or sold in Japan have the same model number but not all the features.



YAESU FL2000B Linear Amplifier. Operates at 1500 watts PEP SSB and 1000 watts CW input. Dual cooling fans, individually tuned input coils on each band 80 thru 10 m. for maximum efficiency and low distortion. Grounded Grid final using 2 carbon-plate 572B tubes. \$299.95 Switched meter indicates plate current, forward and reverse SWR for both exciter and linear, sensitivity con-



YAESU FL-2100 Linear Amplifier Covers 80 thru 10 meters. 1200 watts PEP-SSB input, 1000 watts CW input. Drive power: 30 to 100 watts PEP. Uses 2 572B Cetron triodes in parallel. Built-in 117/234V AC power supply. Includes dual cooling fans, dual high/low voltage interlocks, Grounded Grid circuit, Pi-network with low-loss ribbon wire connections. Changeover circuit automatically biases final amplifier tubes to cutoff during receive. Front panel meter switching indicates plate current, forward and reverse SWR for both exciter and linear, sensitvity control, and provides continuous monitoring. A separate meter indicates high voltage at all times. Matches FT-101 Yaesu transceiver. 13½x6x11½"D. 41 lbs.



YAESU FL-dx-2000 Linear Amplifier, 4)6KD6 Grounded Grid, 80 to 10 meters. Maximum input 1000 watts DC. Built-in 115/230V AC power supply. Input impedance 60 ohms; output impedance 50 to 100 ohms. Forced air cooling. Full 1200 watts PEP-SSB or 1000 watts CW input. Drive: 30-100 watts from exciter. Solid state power supply, SWR bridge, manual or automatic exciter controlled relay, ALC connection provided, built in low pass circuit, with filter. 6½x14½x11½"D. 40 lbs. \$229.95.

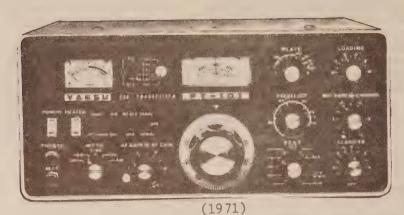
YAESU FL-dx-2000B Linear Amplifier. Grounded Grid linear, uses pair of 572B tubes. Maximum power input 1200 watts DC; rated 1500 watts PEP-SSB input. Requires 30-100 watts PEP drive input for full power output. Built-in 115/230 VAC power supply. Input impedance 60 ohms, output matches 50-100 ohms. Includes ALC with an external tap for exciter control, built-in low pass filter, plate current and VSWR monitoring from front panel. Either manual or automatic relay operation is controlled by the exciter without cable changing. Includes two whisper quiet cooling fans. 14½x6½x 11½"D. Approx. 40 lbs.



YAESU FT-2 Auto-Scan 2-Meter FM Transceiver (1972). Has Auto-Scan and Priority-channel achieved with digital logic circuits. On Auto-scan, the receiver scans all 8 channels. Indicator lights provide a visual channel display, stopping on receipt of a signal. The Priority-channel feature allows automatic monitoring of a pre-selected frequency. In manual mode, the push buttons function as channel electors. Operates either 117VAC or 12VDC. Selectable 1 or 10 watt output. Has a frequency-adjustable tone-burst generator for repeater activation. .3 uv sensitivity for 20db quieting. MOSFET input stage. 10.7MHz Xtal filter and 455KHz ceramic filter for adjacent channel rejection. Price includes mic., anti-theft mtg. bracket, Xtals for simplex operation on 146.76/.82/.94. (Add'1 xtals \$5 each.) Price of the FT-2 complete is \$329.95.

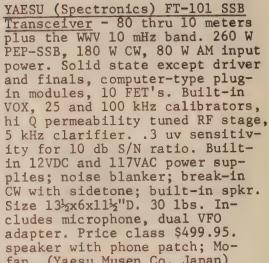


YAESU FT-2FB 2-Meter FM Transceiver (1972). Same Rcvr/Xmitter specifications as listed for the FT-2 AUTO but without the scan feature. In a compact 6-5/8x2½x10" package weighing 4 lbs. 12-channel capability, illuminated frequency readout. Operates from 12VDC source. Crystals for simplex operation on 146.76, 146.82, and 146.94 MHz supplied. \$229.95. (A matching AC Power Supply with rechargeable batteries for emergency \$79.95



THE COLUMN THE COLUMN

ACCESSORIES: FV-101 external VFO; SP-101 P External speaker with phone patch; Mobile Mounting Bracket; CW .6 kHz CW Filter; Cooling fan. (Yaesu Musen Co, Japan)



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YAESU (Spectronics) FTdx-400 SSB Transceiver - 80 thru 10 meters; 25 and 100 kHz calibrators; break-in CW with sidetone; adjust-able VOX, 4 switch controlled xtal positions plus VFO position; varactor controlled clarifier offers receiver offset tuning; less than 100 cy drift; 500W PEP-SSB, 440W CW, 125W AM power input; Rcvr sensitivity .5 uv for 20db S/N ratio; selectivity 2.3 kc -6db; Built-in 117VAC power supply. Less spkr.

15-3/4x64x13-3/4"D. Wt 50 lbs. Price \$599.95. SP-400 matching speaker \$14.95.(Japan.)



Transceiver - 80 thru 10 meters plus WWV 10 mHz band; 560 W PEP SSB, 500W. CW; 25 and 100 kHz Calibrators; VOX; Clarifier; break-in CW with sidetone; 1 KHz readout; selectable SSB; .5 uv sensitivity for 20db S/N; 2.3 kHz selectivity -6db down; less than 100 cy drift 30 minutes after warmup. Built-in 117 or 220VAC power supply. 15-3/4x6½x13-3/4"D. 45 lbs. Less speaker. Price \$449.95. SP-560 matching spkr \$19.95; FV-400s External VFO \$99.95; YD844 Dynamic Microphone \$29.95. (Made in Japan).



YAESU (Spectronics) FTdx 570 SSB Transceiver. Built-in power supply, 25 and 100 KHz calibrator, built-in VOX, WWV receive band 10-10.5 MHz, clarifier: Receiver offset tuning feature that lets you move ±5 KHz from preset transmitter frequency. Built-in cooling fan and spkr. 560 watts PEP SSB, 500 watts input CW. 80 thru 10 meters, break in CW with sidetone, .5 uv sensitivity for 20db S/N; 2.3 KHz selectivity -6db down. \$550. Matching FV-401 VFO, output 8.7-9.2 MHz, \$99.95.

NOTICE: On this page and the pages that follow we have included in alphabetical order equipment of companies that did not produce enough equipment to justify a full page.



ABBOTT INSTRUMENTS TR-4 UHF 2-Meter Transmitter-Receiver (1946). Covers 144-148 mc, 20 watts input. Fixed station or mobile, 110VAC or 6 VDC battery. Super-regenerative receiver with suppressed spurious radiation while receiving. Antenna coupling for maximum reception and transmission. Jacks provided for measuring oscillator and modulator current. Range 5 to 75 miles depending on location. No retuning necessary between transmitting and receiving. Price class \$53 less power supply.



(1972) AMERICAN STATES ELECTRONICS "MiniMitter II" Portable SSB Transceiver
Kit. All solid state, powered by 8
Ni-cad batteries. SSB, Xtal controlled
on 40 meters, QRP, Diode switching,
Collins Mechanical filter, tuned circuits factory pre-tuned. Transmitter
4 watts PEP - SSB input. Carrier suppression -40db. Modulation freq. 350
to 2450 Hz. Ant. impedance 50 ohms.
Supplied with 7215 or 7255 KHz Xtals
(specify). Receiver SENSITIVITY
1 uv for 10db S/N; selectivity 2.1KHz
at 6db. .2 watts audio. Less batteries
in Kit Form \$149.95. Acc. Ant. \$7.95

AMPLIDYNE LABORATORIES Model 621 Six and Two Meter Transmitter. 60 watts input to a GE 8150. Covers the 6 and 2 meter amateur bands. Uses 6L6's as plate modulators. Xtal control or external VFO. Has built-in dummy load, separate loading controls, spotting button, metering of all stages including RF output using an external meter which is not supplied. Price \$229.50.

Adapter Model 221 shown left puts the 621 on 220 mc with 18 watts input to a 6360 tube. Uses 55 mc output from the 621, the power supply, modulator, and the metering of the 621 transmitter. \$72.50.

(1953)

WALTER ASHE Novice Station Kits (1953).

Model WAT-25 Novice Transmitter Kit.

2-tube 6AG7 modified Pierce oscillator and 6L6G final amplifier. 25 watts input to final on 80 and 40 novice bands. Pilot light tuning indicator. Pi-section output will match any length ant. Excellent keying characteristics. Supplied with 80 meter crystal in holder and one plug-in coil form for final amplifier. 4 lbs. Price \$17.31.

Model WAP-25 Novice Power Supply Kit. Furnishes filament and plate power for both receiver and transmitter. Has AC On-Off switch and send-receive switch. 12 lbs. \$14.23.

Model WAR-25 Novice Receiver Kit. Two stage receiver uses twin triode 6SN7GT as a regenerative detector and audio amplifier. VR 0D3 regulator tube in P.S. 100 dial divisions of bandspread on the 80 meter novice band and 70 divisions on the 40 meter novice band. 80 meter coil covers 3.5-8 mc on main tuning dial; 40 meter coil covers 6.5-18 mc on main tuning dial. Kit comes with one plug-in coil form. Less headphones. Shipping wt. 4 lbs. Price \$13.41.



AUDAR "Telvar" Model T60-2 Transmitter (1948). 60 watts input, phone or CW. Covers 80 thru 10 meters. Combined plate and screen modulation. Regenerative Xtal controlled oscillator driving 2 616G's operating as pushpush doublers in the final RF amplifier on all bands. 17x11x9" \$150.

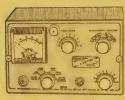


(1972)

AVCOM FM-201 2-Meter FM Transmitter Module. Operates 12-16VDC. (1972). Glass epoxy PC board 3"x32". Power input: 1 Watt D.C. to final. Just add ant., mike, Xtal for Repeater entry. Can add a police band receiver for a transceiver. Module complete, 90 day warranty, \$49.95. PL-100 CTCS Encoder \$24.95; LM-210 10-W Power Amplifier Module \$29.95; TN-421 Tone Burst Module \$19.95. AVCOM, Inc.



BABCOCK RADIO ENGINEERING, Inc. DX'er Preselector (c.1948) - Boosts DX 2 to 7 "S" units; covers 4 bands: 10, 11, 15 and 20 meters plus general coverage 13-40mc. Uses miniature tubes 6AU6, 6J6, VR150 Improves signal to noise ratio and image rejection. Not broad band, sharp tuning for selectivity. \$27.50.



(1953)

BABCOCK Model MT5A D-X Mitter Mobile Transmitter (c.1953) 80-10 meters, fully bandswitching. Provision for 4 crystals located internally. Input 35 to 50 watts. 6146 final, 6AQ5 modulators. Built-in antenna changeover relay. Complete metering. High level speech compression. Push-pull class AB modulation. Push-to-talk carbon mike input. 5x8x7"D. 12 lbs. Less power supply. \$99.50. Model PS-4A 6VDC Vibrator Power Supply \$67.50. Model PS-1B - 115VAC Power supply \$44.95. Model LS-1 2-Band Antenna Tuning Unit \$15.



BABCOCK Model MT-5B Mobile Transmitter (c.1954) - Features clear-vision D'Arsonal movement meter. Uses tubeless VFO. Has VFO-Crystal switch and VFO connector located on panel. Alternate 6VDC or 12VDC wiring. Full bandswitching, covers 80-10 meters. No plug-in coils used. 4 crystals. Input to final 35 to 50 watts. Uses standard push-to-talk carbon mike. 5x8x7". 6 tubes. Shpg. wt. 12 lbs. Less power supply, \$119.50. Model PS-4A 6VDC Dual Vibrator Power supply \$67.50. Model PS-CA 12V Dynamotor Power Supply \$79.50. Model PS-1B 115 VAC Power Supply \$44.95. LS-1 2-Band Antenna Tuning Unit \$15.



BABCOCK B-500-SSB Transceiver - 80 thru 10M SSB, AM, CW. 2 VFO's built in, each providing 100 Hz calibration. The receive VFO permits independent receiver operation. 600W PEP SSB, 250W CW, 500W PEP on AM with optional plug in B-500-AM plate mod.(mounts inside cabinet). Final 4CX250B runs class ABl on SSB, Class C AM and CW. Receiver uses transistors, integrated circuits, and FET front end to give a 4db noise figure, a 0.5 uv

sensitivity on all bands and crosstalk rejection of 96db. Built-in noise blanker, notch filter, SWR meter, and front panel ALC selection. Built-in 115VAC & 12.6VDC.



BARLOW-WADLEY XCR30 Crystal Controlled Portable Receiver (1972) .5 to 30 mHz continuous coverage; direct readout; antenna tuning for maximum sensitivity; AM CW SSB (Selectable USB/LSB); headphone jack, internal speaker; Powered by 6 UM1 dry cells or external 6-12VDC supply. \$235.

(1972)

CEI (Caringella Electronics, Inc.) 3-Channel WWV Receiver (1972). Receives WWV on 5, 10, and 15 MHz. Crystal controlled, .25 uv sensitivity, 110 VAC or 12 VDC operation. 4½x2½x5½"D. Sold in Kit form \$74.95, or Assembled \$99.95



(1972)



COMCO"680 BASECOM" VHF-FM 2-Way Mobile
Radio (1961). Power: 100 watts output 25 to
50 mc, 75 watts 144 to 174 Mc, both base and
mobile. Simultaeous reception: dual front
end receiver for monitoring 2 frequencies
anywhere in the band. Has 2-way tone squelch.
Monitors remote control. Base station monitors remote transmissions. Intercom provided.
All functions available at remote position.

COMCO "680 FLEETCOM" (1961). Combination Mobile Control Head, Speaker, Transistor Power Supply.

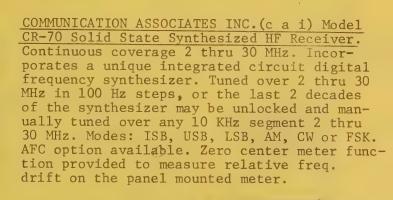


SOLID STATE

COMCRAFT CTR-144 2-METER AM-FM/TRANSCEIVER

(1971) Built-in frequency converted VFO,
covers 143.8 to 148.1 MHz both AM and FM

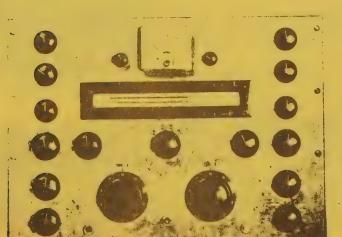
Xtal or VFO, 4 transmit xtal positions,
power input 12 watts, 6 watts output. Dual
conversion rcvr, xtal controlled 1st, MOSFET
front end, built-in squelch, limiter/discriminator for FM, envelope detector/series gate
noise limiter for AM. Separate transmitter
and receiver tuning. Operates from 115VAC or
12VDC (opt. snap-on batt. pack available).
S-meter doubles for tuneup of xmtr. 10½x6½x
7½"D. w/146.94 Xtal included \$389.95.



CONAR (National Radio Institute) Model 400 3-Band CW Transmitter. 25 watt input. Kit form \$33.

(1971)

CONAR Model 500 Receiver is a companion unit to the Model 400 Transmitter above. (No further information).

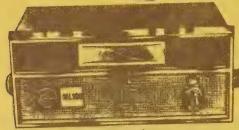


COSMOPHONE 35 SSB "Bilateral Transceiver". It is a combination of 2 receivers and 1 transmitter. The dual tuning control permits the transmitter to "track" with either receiver channel, or the transmitter and receiver frequencies can be independently controlled. Has full bandswitching and built-in power supply. Price class \$940.



COURIER Model BL-100 Base Station Linear Amplifier (1970). 200 watts PEP input SSB, 100 watts peak AM, FM, SSB, DSB modes. Covers 25-54 mHz so useful on 10 and 6 meter amateur bands. 1-15 watts drive. Tunes easily with built-in tuning meter. Automatic transmitreceive switching. Tube and transistor circuit. For 117VAC. 5 x 7½x7-3/4". 10 lbs. Price \$129.

(1970)



(1970)

Mobile COURIER Model ML-100/Linear Amplifier (1970).
Operates AM, FM, SSB and DSB modes on 25-50 so useful for 10 meter amateur band. Provides up to 200 watts PEP/SSB with 1-15 watts drive. Neon tuning indicator. Automatic transmit/receive switching. Tube and transistor circuit draws less than 2 amps in receive. For 12VDC. With cable & mtg. bracket. 2½x6½x8½. 7 lbs. Price \$109.

(c.1964)

DAVCO DR-30 Communications Receiver - Tunes all bands 80-10 plus WWV, Broadcast and 3 other 500 Kc bands. Completely transistorized, FET RF stages, 2.1 Kc mech. filter, xtal calibrator, S-meter, ANL, xtal and variable BFO, double conversion, supplies injection voltages for transceiver operation with DAVCO DT-20 Exciter. Operates from 12-15V DC. 4x7½x5"D. 7 lbs. Use portable, mobile or fixed sta. Price range \$389.50

DAVCO DR-30-S: (Shown above left) - Complete regulated power supply for operation of DR-30 from 110/230 V AC. Includes speaker, earphone jack, plus battery holder for 9 D-size cells for portable operation. \$39.50



DAVCO DT-20 Transmitter - Companion unit to the DR-30 Recvr. Same appearance, size and frequency coverage 80-10 plus WWV, Broadcast and 3 other 500 Kc bands. Transistor low level stages, Amperex dual tetrode final. Mechanical filter SSB generation; carrier and unwanted SB 50db down. Self-contained VOX, PTT, speech compressor; AM and CW provision. Has identical VFO to the DR-30 and can be separately controlled or worked transceive with the DR-30. Spot frequency crystal control.

DT-20 uses first xtal conversion oscillator, carrier generator and mechanical filter from the DR-30 receiver via cables. Has own separate VFO, power supply, noise-cancelling microphone supplied, and connecting cables. Power supply operates from 6 or 12V. DC and 110 or 220V AC(50-60 cycles). Price \$385. Power output: 20 w SSB, 8 w. AM.

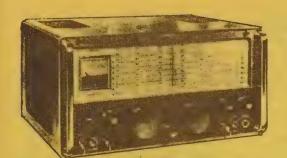
DT20A is a complete self-contained transmitter including all crystals and filter; for use with other receivers. Price including Power Supply \$595. Pwr Out. 20w.SSB, 8w.AM.



DEL MAR Model SW-59 All-Band Communications Receiver (1959). Coverage continuous from 535 Kc to 35 Mc. Calibrated bandspread 80 thru 10 meters. AM Phone and CW reception. Full vision slide-rule dial, with calibrated scales. Has builtin S-meter, loudspeaker, ANL, BFO, headphone jack. For 117 VAC (transformer operated). Price \$49.50.



DEWALD Model TR-850 6-METER TRANSCEIVER. Full superhet receiver, vernier tuning, 50-54 Mc. RF amplifier built-into transmitter. For 115VAC. 10-3/4x5-3/4x7. 9 lbs. \$99.95. 12VDC P.S. \$12.95.



EDDYSTONE EA-12 Receiver
Continuously variable selectivity from 6 kHz to a sharp 50 Hz. Price class \$550.



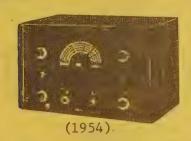
ELECTRONIC TECHNICAL INSTITUTE (ETI) CW Transmitter (1952). Kit for 10 watt, 80 meter CW transmitter. Has voltage-doubler power supply, code practice oscillator, variable volume and tone. Has built-in station monitor to hear your signal as you send. Kit including key, antenna and ground \$39.95.

(1952)



ELENCO Model X-4 SSB Exciter (c.1954) - Mobile or fixed station installation. Uses a stable xtal filter for sideband generation. Choice of transmitted sideband by using Xtal or VFO on proper heterodyning frequency above or below the desired operating frequency in the range of 3.6 to 4.0 Mc. Internal VFO. 6F6 output uency in the range of 10 watts depending on power supply(not tube. Power output up to 10 watts depending on power supply(not included). Requires 6.3V at 1.6 amps, 200-300 VDC at 80 Ma. 6x6x6". Wired and tested. With tubes, xtal filter, aligned \$69.50.

included). Requires 6.3V at 1.6 amps, 200-300 VDC at 80 Ma.
6x6x6". Wired and tested. With tubes, xtal filter, aligned \$69.50.
ACCESSORIES for use with the Model X-4 above: Model X-4 VFO (Modified Clappicircuit.)Plugs into xtal socket on back of X-4. 4" tuning dial, covers 3.6 to 4.0 Mc in 50 Kc steps. Also provides VFO operation on 20 and 40 meters when using the in 50 Kc steps. Also provides VFO operation on 20 and 40 meters when using the X-4 Mixer. Model X-4 Mixer: Converts the 4 Mc SSB signal of the X-4 Exciter to 40 or 20 meters with a power output up to 10 watts. Supplied with coil and xtal for 20 meters \$19.95. Extra 40 meter coil and Xtal \$1.75 and \$3.95 respectively. Model X-4 Voice Control Unit. Permits VOX of X-4 Exciter and a receiver. \$19.95.



ELENCO Model SS-75 Single Sideband Transmitter-Exciter (c.1954). A complete 75-meter SSB transmitter with 10 watts peak output. Uses 12 tubes with 807 linear amplifier final. Built in 115 VAC power supply; voltage regulation for 450 Kc xtal oscillator and stable VFO. Uses Xtal filter type circuit and provides SSSC or SS with carrier. 4 Mc output. Includes voice control circuit with plate relay, variable receiver carrier injection, provision for break-in CW operation. Spare wired socket for adding parallel 807 for up to 100 watts peak output. May operate on 20 and 40 meters with Model BSM-3 Bandswitching Mixer(described below). 20x12x12". \$245.

ACCESSORIES for use with the Model SS-75 above: Model BSM-3 Bandswitching Mixer. Converts the 4 Mc output frequency of the SS-75 to 20 and 40 meters. Pretuned tank circuits for each band. Bandswitched to 20, 40, or straight thru on 75 M. 20 watts power output on 20 and 40 M. with 600 V. power supply(not incl.). \$75.

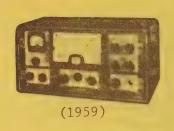


ELENCO Model 77 SSB Transmitter (c.1955) - Portable or home station transmitter or exciter. 100 watts peak envelope power output(PEP SSB). Single knob bandswitch. VFO range 200 Kc all bands. Xtals supplied to cover following frequencies with VFO: 1.8-2.0, 3.8-4.0, 7.1-7.3, 14.15-14.35, 21.25-21.45, 28.5-28.7 Mc. Vernier frequency control for zeroing frequency easily. Three power supplies built-in. Unwanted sideband attenuation 80 db below PEP output. Power output impedance 53 ohms all bands. \$595. Voice control circuit included.



EXCELLO ELECTRONICS Model Mark II 6-Meter Transmitter (1963). Crystal controlled 6-meter transmitter using 8-9mc Xtals. 10 watts output. Tuning controls all on front panel. Meter monitors final tuning, grid drive and modulation. TVI suppressed by shielding and design. Compact 4x5x7". Uses 5763 Final, 6AQ5 modulator. Requires external Power supply providing 300 v. at 100 Ma. Price \$39.95.

(1963)



GELOSO (American Geloso Electronics, Inc.) Model G-209-R - (1959) - Double conversion superhet covering 80 thru 10 meters. Crystal filter, crystal controlled 2nd conversion oscillator. Selectable sideband; separate product detector for CW/SSB reception. S-meter. Built-in crystal calibrator. Has built-in noise limiter, receive-standby switch. Balanced or unbalanced antenna input. 3.2 and 500 ohm audio output to external speaker. Built-in 110/125/140/220V. AC power supply. 10x20x10½"D. Less speaker. \$299.50. Wt. 52 lbs.

GELOSO Model G-222/TR Transmitter (c.1959). Matches the Model G-209-R Receiver in size and appearance. Covers 80 thru 10 meters. Includes built-in VFO and power supply. 75 watts input to a 6146 final tube. Has plate modulation, pi-network output circuit. Cathode keying. Size 10x20x10'4"D. Weight 63 lbs. \$259.50



GELOSO VFO's are available in 3 tuning ranges. All less power supply (take power from transmitter in which they are installed or external source) and less tubes.

Model 4/102 tunes 80-10 meters in 5 ranges, will drive 2-6146 tubes. Dial included, price \$29.95

Model 4/103 has 144-148 Mc output, drives an 832 or 2E26.

Price including the dial, \$29.95.

Model 4/104 - 6 Band VFO, output 80 - 10 meters. Tubes (not included) are 6CL6 oscillator, 5763 buffer. RF power output sufficient to drive one 807 or 6146. Price with dial \$29.95.



GELOSO Model 212 Transmitter (c.?) - Bandswitching coverage of 80-10 meters. Internal VFO. 60 Watts CW or plate modulated phone. Wide-range pi-net output. Metering of final and modulation. Antenna switch built-in. Individual power supplies included for RF & audio sections. Operates 110/220 volts AC. Standby-RTTY, other uses. Built- conservatively "like a battleship".

GEM ELECTRONICS 5-Watt Transmitter-Exciter. (Shown left)
Uses 7-8 mc Xtals to cover 7-60 mc. 6AU8 or 6CX8 tube
and printed circuit mounting board 2½x4". With tube
\$7.50. 5-Watt Audio and Modulator (shown right). Uses
12AX7 and 6AQ5, has input for xtal or carbon mike. 2½x4"
printed circuit. With tubes \$6.50. Case \$2.50.

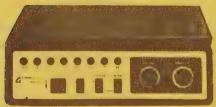


(1972)

GENAVE GTX-2 2-Meter FM Transceiver (1972) - (GENERAL AVIATION ELECTRONICS, Inc. - AVIONICS MFG.) All solid state, 30 watts output, true FM (not phase modulation). 10 channels with 146.94/.94 included. 3 pole low pass filter on both transmit and receive. 1 watt low power position on transmit. Provision for tone encoder. Simple internal strapping provision allows multi-channel use of any crystal. 9x6½x2½. Wt. 5 lbs. Operates 12VDC. Price including mic. and mounting bracket \$249.95. AC Power Supply \$49.95.



GLADDING 25 FM 2-Meter Transceiver, American-made by Pearce-Simpson, 25 watts output, 6 channel: (146.34/.94, .94/.94, .34/.76 MHz Xtals supplied), selectable 1-watt output 'level, operates 12VDC(optional AC supply available); Recvr sensitivity .4uv for 20db quieting, selectivity ±7.5 KHz at -6db; 8 pole xtal lattice filter. 3½x8½x10"D, 8½ 1bs. Supplied with mobile mtg. bracket, manual/shematic. \$250.

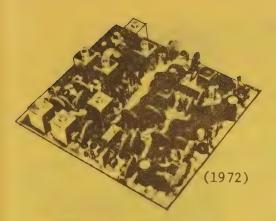


GLADDING (Pearce-Simpson) Hi-Skan (c.1971) - 8 Channel VHF Monitor. Automatically scans 8 preselected channels. Switch for manual selection of channel. Priority channel. Bypass channel. 115VAC/12VDC power supply built in. Mounting cradle included. Can be tuned to cover 2 meters. Price \$99.95.

(1971)



HY-Q 75 Transmitter Kit for 1½ and 2 Meters (1947). Linear oscillator-transmitter 135 to 250 Mc. 14 watts CW, 11 watts phone input. Micrometric tuning by adjustable lead screw. Silver-plated tank circuit, silver-plated multi-finger contacts on precision machined shorting bar. Contains special RF chokes and long-path insulators. Quick band change. Less tube: Kit \$9.95: Assembled \$11.95. HY-75A tube \$3.95. (Pictured & described in Concord 1948 No.9-47 Catalog, Brand name not given.)



HAMTRONICS Homebrew FM Receiver (1972) - For 6 or 2 meter FM, single channel (optional 6 channel adapter); MOSFET front end, integrated circuit limiter/detector, 1 watt audio output; narrow band ceramic ladder filter, positive-acting noise squelch, built-in test features. All solid state for 13.6VDC power. Kit form, speaker, case and controls not included. Receiver board kit for 6 or 2 meters or adjacent commercial frequencies \$54.95. 6-Channel Adapter \$9.95. Manufactured by Hamtronics, Inc.

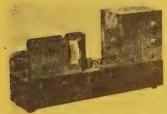


HARRISTAHL 6 Meter Transmitter NE-6. Full 12 watts input to final from external AC or 6 or 12VDC power supply. Has neon indicators for continuous monitoring of B-plus, final tuning, grid drive and modulation. Recessed crystal socket for protection. Automatic receiver muting. 6 or 12 volt filament operation. Carbon or crystal mike switch, antenna relay. Fast break-in CW. High gain audio speech amplifier with gain control. Antenna loading control matches output. Low-loss BNC coax connectors. No-drift oscillator uses 8mc crystal. PTT provision. 6-3/4x5x4½". 5 lbs. Less Power supply. \$69.50. Model NE-2 Same except for 2 meters \$69.50 AC P.S. Kit \$6.74; Radiart Model 6DC3 6V or 12DC3 12V Power Supplies \$23.49 each.

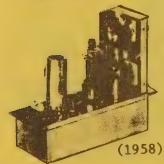


INTERNATIONAL CRYSTAL Model AOR Receiver Kits.

A series of receiver kits for various frequency coverage. Superhet circuit (except for the 150-450 kc model which is tuned RF) with regenerative 2nd detector for selectivity. Have nuvistor RF amplifier. Additional Add-On Circuits may be used to expand these basic receivers. All receivers include AC power supply and 4" speaker. Model No. and Frequency Coverage: AOR41: 150-450 Kc; AOR42: 2-6 mc; AOR43: 6-18 Mc; AOR44: 80/40 meters; AOR45: 10/15 meters; AOR46: 6 meters; AOR47: 2 meters. Prices range \$62.50 to \$66.50, depending on freq. range.



INTERNATIONAL CRYSTAL Model AOT-50 Transmitter Kit. 50 Watts input CW, Xtal controlled, for 80/40 meters. Uses 6DQ6. Includes send-receive switch, Xtal, meter. Less power supply. \$35.



INTERNATIONAL CRYSTAL STP-50 6-Meter CW Transmitter (1958). 30 Watts input, 12BY7 oscillator-buffer, 2E26 final amplifier. Designed for strip mounting with separate modulator and power supply. Pictured with shield box removed. Less crystal, Kit is \$26.50, assembled \$32.50. Use STP-10 matching modulator for the STP-50 for an AM transmitter.



J & D LABS Model 500 Linear Amplifier. Uses 4X150 final, has built-in power supply, 500 watts SSB and CW input, 250 watts AM. Single band unit, available for any band from 80 to 2 meters. Requires 10 watts drive. \$149.95.

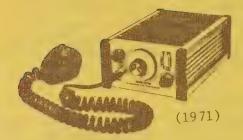
J & D LABS Model 1000 Linear Amplifier. Same as Model 500, uses 2 4X150's in final for 1000 watts SSB and CW, 500 watts AM input. Available any band 80-2 meters. 7"x15"x9"D. \$199.95

<u>J & D LABS Model 1062 Linear Amplifier</u>. Uses two 7034's for up to 900 watts AM & CW peak power input, 1000 watts EPE SSB. Covers both 2 and 6 meters. Requires only 5 watts drive. Less power supply \$199.95. P.S. \$119.95.

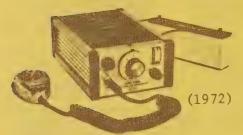
J & D LABS "Musketeer Two" Linear Amplifier. Grounded Grid, covers the 2 meter band. Uses 3-400Z for full KW on SSB or CW, 600 watts input on AM. Requires 70-250 watts drive for full output. 8x12x7"D. \$319.90

J & D LABS "Musketeer Six" Linear Amplifier. Grounded Grid, covers the 6 meter band. Uses 3-400Z for full KW on SSB or CW, 600 watts input on AM. 70-250 watt drive required for full output. 8x12x7"D. \$319.90.

J & D LABS "Quad" Model Linear Amplifier. Grounded Grid, uses 3-400Z for full KW on SSB or CW and 600 watts on AM. Drives with any 70-250 watt exciter. 8x12x7"D. \$329.90.



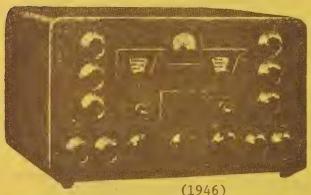
JUSTIN "MINI COM" SOLID STATE SSB TRANSCEIVER (1971). 4 to 5 watts PEP/SSB output single-band 15, 20, 40 or 75 meters. VXO tuning up to 100 KHz or 2 fixed freq. 15 transistors, 1 MOSFET, 2 darlington amps, 1 I.C. and 17 diodes. 4-pole filter. Suitable for dry battery operation. Furnished with spare switching and final amp. transistors, dummy load and extra plug. \$195.



JUSTIN "MINI COM" SOLID STATE SSB TRANSCEIVER SSB-3 (1972). Complete single-band SSB transceiver 4 to 5 watts PEP output 15, 20, 40 or 75 meters. VFO tuning 3750 to 4000 on 75, full coverage on 40, 20 and 15 meter amateur bands. 15 transistors, 1 MOSFET, 2 Darlington amps, 1 I.C. and 17 diodes. 4-pole filter. Suitable for dry battery operation. \$195.50. Accessories: AC power supply, Mic., 40 watt PEP linear amplifier, headsets.



KARADIO 3-Band Mobile Communications Receivers (1948). 2 Models: "International" Model: Band 1)535-1700 Kc; Band 2)2.7-7.3 Mc; Band 3)5.4-18 Mc. "Airport" Model: Band 1)190-450 Kc; Band 2)535-1700 Kc; Band 3)2.4-6.8 Mc Aviation Band. Either model \$79.50.



KP-81 Receiver (1946). Covers .55 to 40 Mc. Has ANL, 2 pre-selector stages, turret band change, 4-gang tuning and band spread condensers, series parallel Xtal filter, calibrated bandspread, built-in Xtal calibrator, variable hi and lo pass audio filters, single signal at all times. Cash price \$367.65 (Advertised in WRL Parts Flyer No. J47. Brand name not given)



LETTINE RADIO MFG. CO. Model 240 Transmitter

40 to 50 watt Phone-CW Transmitter. Air wound
plug-in coils to cover any freq. from 1.6 to 30

Mc. For fixed station, portable or mobile operation. Complete with AC power supply, 40 meter
xtal, coils, and tubes. Uses 807 final, 2 6L6's
P-P modulator. 8x14x8" cabinet. TVI instructions.
30 lbs. Price direct from factory \$79.95. VFO \$49.95

Model 130 Similar but for 120 to 130 watts \$169.50.

LETTINE Model 242 2-Meter Transmitter (Same cabinet and appearance as the 240 above). 45 watts input 144-148 Mc. 6146 final tube. Complete with mobile connections, AC power supply, tubes, xtal, Xtal mike input. Uses 8mc xtals or Lettine VFO. Swinging link matches 52-300 ohm antennas. 8x14x8". Direct from factory \$89.95.

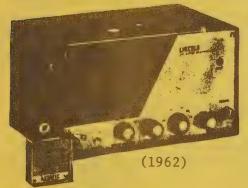
LETTINE Model 242 6-Meter Transmitter (Same cabinet and appearance as the 240 above). 45 to 50 watts input. Three RF stages with 6146 straight thru final. 100% plate modulation with push-pull modulator. High capacity double tuned circuits for maximum TVI suppression. 8x14x8". Direct from factory \$89.95.





LIL-LULU (Whippany Laboratories) 6-Meter Transmitter (1963). For Fixed or Mobile operation from built-in 115VAC or 12VDC power supply. Operates AM or CW at 12 watts maximum input. Stable built-in VFO using a grid circuit in the 25mc range for TVI elimination. Covers 50-54 Mc calibrated each 100 Kc, dial is illuminated. 12DQ7 final amplifier. Built-in keying filter. Class A high level modulation, crystal or carbon mike inputs. TVI shielding and suppression built-in. Built-in antenna changeover relay with SO239 antenna connector and BNC receiver connector. Low pass TVI filter. PTT or use panel switch. 5½x11½x8"W. 16½ 1bs. \$225.

LIL-LULU Model 68000 Receiver (1963). Matches Lil-Lulu 6-meter transmitter. Receives AM-SSB-CW, covers 50-54mc. Includes WWV coverage at 10 Mc. Sharply tuned circuits, bandpass filter, sensitivity .7 uv for 10db S+N/N ratio. Separated detectors for CW/SSB and AM. S-meter, 80:1 vernier, headphone jack, CW monitor, delayed AGC, noise limiter, muting connections. Power taken from matching transmitter. 5½x11½x8"W. \$250. Requires external spkr.



LINCOLN (Allied Radio) 6-METER TRANSCEIVER (1962). Vernier tuning superhet covers 50-54 MHz. Transmitter has front panel socket for 3rd overtone xtals, runs 7 watts to fully modulated 6CX8 final, built-in TVI filter, adjustable receiver noise limiter, neon modulation indicator. Built in 110-120VAC Power supply, spkr. Complete with mic., 50.2 Xtal \$57.50. 6VDC or 12VDC P.Supplies \$12ea.



Uses 4 GE 7984's in parallel for 500 watts input, 20-40-80 meters bandswithed. Has separate matching power supply. 25 watts drive required for full output. Station or mobile use. Pi-network 50 ohm output. 4½x6½x10"D. 5¼ 1bs. Price is \$150 without supply. With either AC supply or DC supply, \$249.50.



L W Electronic Laboratory Model LW-50 VHF Transmitter. For Two or Six Meters. 15 watts input. Crystal controlled. High gain speech amplifier with push-pull modulation up to 100%. Preassembled kits complete with tubes and crystal \$39.50. Shpg wt. 4 lbs.



LYSCO Model 600 Transmitter (1951). VFO or Crystal controlled bandswitching transmitter covering 160 thru 10 M. amateur bands. 35 watts input. Break-in keying, illuminated dial, PA Plate meter, provisions for modulated tie-in, Grid meter jack. Has built-in 110VAC power supply. Uses 807 final amplifier. Output 50 ohms. TVI suppressed. 17x9x11"D. 34 lbs. \$143.95. Model 500 Standard (not TVI'd) \$131.95.

LYSCO Model 600S Transmitter (1951). VFO or Crystal controlled bandswitching 160 thru 10 meter transmitter. 35 watts input. Break-in keying. Has a built-in Clampmaster modulator. Also has a switch to "zero-beat" any signal by allowing oscillator operation only. Modulator uses 3 tubes and is for crystal or high impedance mic. Illuminated dial, PA Plate meter, provides Grid Meter Jack. Has built in 110VAC power supply, uses 807 final tube. Output impedance of 50 ohms. TVI suppressed. 17x9x11"D. \$189.95. (Cabinet and appearance similar to the Model 600 above.)



LYSCO Model 650 Novice Transmitter (1951). 5 tube Xtal controlled 40 watt transmitter with built-in antenna coupler (any long wire loads it all bands) plus low impedance output. 160 thru 10 meters. A Dissipation limiter tube provides clean chirpless keying for complete breakin operation. Meter and meter switch, antenna resonance indicator, standby switch, pilot light, antenna coupler, controls on front panel. 9x15x11". 31 lbs. \$109.95.



LYSCO Mobile Transmitters (1951). Line of mobile transmitters with built in antenna relay for PTT operation. Clamp type audio for 100% AM modulation. 25 watts input. Tuning adjustments from front panel. Models for 10, 20 and 75 meters. 4x4½x6"D. 10 lbs. With tubes \$33.55 ea. Crystal or external VFO controlled. Model 381 Mobile VFO \$26.95, or Model 381-R Low impedance remote 80 and 40 meter tuned circuit with 15 ft. coax cable \$33.95. (Model 381 has illuminated dial calibrated for 80 thru 10 meters).



McMURDO SILVER Model 701 Transmitter (Pre-1949). CW and AM phone. A 6AQ5 drives an 807 to 75 watts CW, 30 watts phone input, 80 thru 6 meters. Built-in modulator. Plug-in coils (3 per band), 4 tubes, Xtal controlled. Less power supply, coils, and crystals \$36.95.



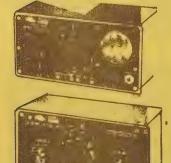
McMURDO SILVER Model 703 is a Pretuned Bandpass Freq.
Multiplier. (Pre-1949). "Driven by any VFO or Xtal, it
puts you in any band 80 thru 6 meters, on selected freq.
as fast as you can turn two knobs. Its 807 gives 40 watts
max. output and instant control of every band. Price \$49.90.



McMURDO SILVER Model 800 U.H.F. Receiver (Pre-1949). A Tuned Radio Frequency (T.R.F.) Superregenerative receiver described as "E.P. Tilton's A.R.R.L. HANDBOOK" Receiver, non-radiating. Less tubes and power supply \$39.75. Covers 2½ and 1½ meter bands.



McMURDO SILVER Model 801 Receiver (Pre-1949). Covers 450 Kc thru 60 Mc. Consists of an RF stage, regenerative detector, 2 AF stages, built-in speaker. For 6.3 volt operation \$29.95. For 1.5 volt battery \$28.95. Coils \$1 pair.



McMURDO SILVER Model 802 Super-Heterodyne Receiver (Pre-1949). Amateur band only 80 thru 6 meters. Variable phone to single-signal CW selectivity. 8 Tubes, over 7 feet of bandspread. Uses variable selectivity I.F. regeneration. Less tubes, power supply and coils \$38.95. Coils \$1 pair.

McMURDO SILVER Model 702 VFO includes NFM (Pre-1949). Covers 3,000 thru 4,000 Kc, its 3 watt output may be multiplied 80 thru 2½ meters. A Xtal controlled VFO including and using a 5 mc xtal frequency standard to give complete break-in operation, superbly clean keying. Less tubes, including power supply, \$49.90.

(picture not available)

MALLARD MFG. CO. Mobile Transmitter (1951). 30 watts input on 75, 20 and 10 meter bands. 2 Xtal sockets with selector switch. ECO socket. Hi-level AM modulation 100%, built-in speech clipper. Plug-in coils for highest efficiency. Antenna relay for push-to-talk. Low impedance coax output. Less mike and power supply, with tubes and coils for one band, \$119.95.



(1952)

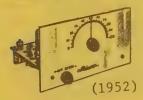


MARMAX Model MT-52 Mobile Transmitter (1952). Uses Rothman System of Modulation (screen grid modulation). Peak power input to class C stage is 50 watts. Comes with 1 set of coils (plug-in) for band specified, 1 6 prong Jones plug, 1 MO-52 Marmax Rothman Plug-in Modulator. Less power (requires 400-600V DC at 100-150ma and 6V DC Filament supply at 2.75 Amps.). Uses 4 tubes. 3½x8x9". 6 lbs. \$79.50.

MASTER MOBILE MOUNTS Model K-73 "Go" Power Linear Amplifier. 2 - 811A zero bias triodes in grounded grid. 750 watts PEP input. Has 500 watt self-contained Transistorized DC power supply employing solid-state rectifiers for excellent regulation. Panel meter shows plate current or RF cutput. Covers 10 thru 80 meters with a heavy duty bandswitch. Internal antenna relay allows barefoot operation when amplifier is not in use. Wide range Pi-net output. 13½x6½x12½"D. 15½ 1bs. Ideal linear for 50-100 watt SSB exciter. \$289.50.



Remote Control RC-73 includes: 5 wire remote control cable for On-Off switch, Pilot light, Plate Ma or RF output meter, and Push to Talk Antenna Changeover Relay. Price \$17.95.

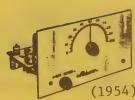


MEISSNER Model T2BK Two Tube Battery Receiver Kit (1952) Covers 175 Kc to 34 with proper coils available (Broadcast Band coil furnished with kit). Uses a 1T4 and 3V4 tube in a regenerative grid leak detector with resistance coupled pentode audio circuit. Requires 4½v. "A" and 180 v. "B" batteries. For use with headphones having 1000 ohms or more. 7-3/4x4½x4½"D. 2 lbs. Less batteries, \$10.29.



MEISSNER Model 2-CW Novice Transmitter Kit (1954). Operates on 20, 40, and 80 meters with proper plug-in coil. Input of 20 to 25 watts CW on 80 meters. Straight forward CW oscillator using 6V6 and 5U4, husky AC transformer power supply. Controls include on/off switch and tuning knob with provisions for plate current metering on rear terminal strip. Jack for key on front panel. 80 meter coil included in the price of \$24.45. 20 or 40 meter coils \$2.94ea. Transmitter is crystal controlled (crystal not included).

MEISSNER Model T3BK Three Tube AC-DC Receiver Kit (1954).



Transmitter is crystal controlled (crystal not included).

MEISSNER Model T3BK Three Tube AC-DC Receiver Kit (1954).

Covers 170 Kc to 34 Mc with proper selection of 6 plug-in coils. Has regenerative grid leak detector with resistance coupled pentode audio stage. 105 to 125V. AC or DC power supply. Uses 2000 ohm impedance phones, 6BJ6 and 2-50B5 tubes. 7-3/4x4½x4½". 2½ lbs. Kit \$12.01. Plug-in coils \$1.49 or .61 each depending on frequency covered.



MEISSNER Model T6BK 3-Band AC Kit Receiver (1954). Covers 535 Kc to 18 Mc in 3 overlapping bands. Superhet with 455 Kc IF. Powerful 3 watt output audio to external speaker. For 105-125 and 210-250 VAC. Chassis only, no cabinet included. Uses 2-6SK7, 1-6SA7, 1-6SQ7, 1-6V6GT and 1-5Y3GT. 12x10x3". Less speaker, Kit \$43.41. 8"PM Spkr \$2.95.



MIDLAND INTERNATIONAL Model 11-500 Receiver (1969). 4 Bands: .55-1.6 MHz Broadcast Band, 3 SW Bands 2 thru 30 MHz. Illuminated slide-rule dial, main tuning and electrical bandspread fine tuning. BFO, built-in speaker, PP audio system, AVC. Headhpne connection or external speaker if desired. 9 Xistors, 4 diodes, 3 IFs. 12x5½x4-3/4". 5 1bs. For 117VAC. External antenna connection & stdby switch. Price \$44.95.

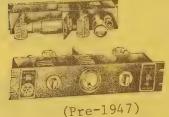


MIDLAND Model 11-520 Receiver (1969). 5 Bands: AM Broadcast, FM, and 3 Shortwave bands 2 thru 30 MHz continuous. Large back-lighted smoked glass sliderule dial, main and fine tuning, tuning meter, BFO for code, AFC, output jack for use on tuner thru external amplifier, built-in audio system and spkr. 11 transistors. 14x5\frac{1}{2}x6\frac{1}{2}. 15 lbs. For 117VAC. Price \$89.95.

(1969)





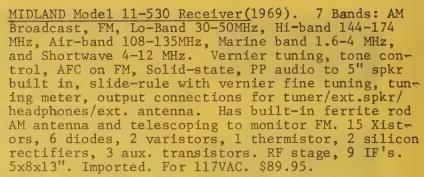


(Pre-1947)





(1948)



MIDLAND Model PS Portable Monitor Receiver (1967). Covers AM Broadcast band 535-1605 KHz and 145-174 MHz FM. Solid state 9 transistors, built-in AM ferrite loopstick and 21" extended telescopic whip antenna, precision vernier, slide-rule dial with dual calibration. Hi-impact plastic case 3\(\frac{1}{2}x7x7\frac{1}{4}\)". Complete with leather case, earphone & batteries. 2 lbs. \$24.95.

Model AR Same for AM Broadcast and 108-135 mHz AM Aircraft monitoring. \$24.95. Model M-AC 115VAC Adapter for either receiver \$4.95. (Uses 4 Penlite batteries.)

JAMES MILLEN Model 90800 Transmitter-Exciter (Pre-1947). 50 Watt transmitter-exciter uses 6L6 and 807. Uses plugin inductors to cover 10 thru 80 meter bands* Standard rack mount, requires up to 750V at 250ma, -45v and 6.3v at 1.8 amps. Osc. is Tri-tet for 2X or 4X Crystal freq. Drives 807 either straight amplifier or as doubler. Has 0-200 ma meter switched to read plate current of either stage, 15 lbs. Less tubes and crystals, 10 meter coils supplied, \$42.50.*Following Frequency coils available: 160,80,40,20 and 10.

MILLEN Model 90881 RF Power Amplifier (pre-1947). 500 watt RF amplifier furnished with RCA or G.E. 812 type tube but may use Taylor TZ40, Eimac 35T, etc. On 10½" relay rack panel. Plug-in inductors furnished for operation on 10,20,40 or 80 meter bands. 160 meter coils available. Has Grid and plate ma meters. Provision for vacuum condenser plug-in. 25 lbs. Price \$100.50. MILLEN Model 80810 High Frequency Transmitter(1948). Crystal controlled 75 watt output(higher output possible with forced cooling) on the 10-11, 6 and 2 meter amateur bands. Uses 48000 series high frequency plugin coils. Coils for 20 meters also available. 25 lbs. Price \$69.75. (Millen Model 90811 RF Amplifier described below is included in the 90810 Transmitter).

MILLEN Model 90811 High Frequency RF Amplifier (1948). 70 to 85 watts of power output on phone or 87 to 110 watts on CW on 20,15,11,10,6 or 2 meter amateur bands. (Higher watts with forced cooling). Uses either 829-B or 3E29 final tube. Quick band changes with 48000 series of HF plug-in coils. Chassis 4x7-3/4" exclusive of flanges. Can be panel or base mounted. 6-3/4" high. 5 lbs. Less tubes, with 10 meter coils \$37.50. Requires external 400 to 750 v at 180 to 275ma P.S.

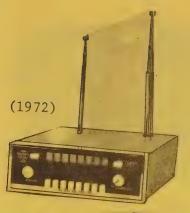


(1948)

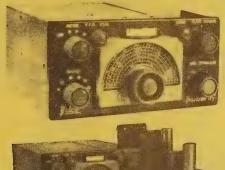


MILLEN Model 90801 Exciter-Transmitter (1954). Includes filtering and shielding for TVI reduction, bandswitched coverage of the 4-7-14-21-28 Mc bands, circuit metering. 90 watts input on CW, 67 watts input on phone. Oscillator and/or amplifier can be keyed. Uses 6146 final. 3½" H panel for rack mounting. 20 lbs. Less tubes, \$75. Uses Millen 90711 VFO as external keyed VFO if desired, \$124.50. May be modulated with external Model 90831 40 watt Modulator, \$60.

MOSLEY CM-1 Receiver (1961). Covers 80 thru 10M and 15 mc WWV band. 5 tubes, 4 diodes, dual conversion superhet. with Xtal controlled 1st oscillator. Sensitivity .5 uv for 10db S/N ratio. Selectivity of 2.5 kc at 6db down. Product detector, S-meter, noise limiter, muting terminals, accessory socket. For 110-220VAC. 7½x10½x8". 14 lbs. Less speaker. \$182.70. CMS-1 matching speaker (shown) \$16.95.



SCAN 308 (PACE) Programmable 3-Band Scanning Monitor Receiver (1972). Covers 3 bands simultaneously: 25-50, 140-174, and 450-470 mHz. Can be programmed to monitor any combination of 8 channels with visual readout at one time, holds up to 16 different channels. IC and FET broad band versatility with good selectivity and sensitivity. Rear panel programming switches select the desired combination from 16 internal crystal sockets. Front panel control lights, with lock out controls indicate channel being monitored. For both 12VDC and 110VAC with power cords, locking mobile mount, non-slip desk mount, telescoping antenna, and built-in spkr supplied. Provisions for external remote spkr and external ant. connections. \$189.95.

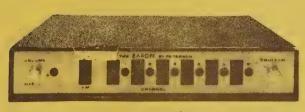


PALCO "Bantam 65" Mobile Transmitter (1955). Input of 65 watts Phone, 90 Watts CW. Covers bandswitched 80 thru 10 meters. Has built-in VFO or 2 Xtal positions. VFO and exciter stages gang-tuned; Pi-section output, provisions for mounting coax relay; separate inputs for hi impedance or carbon mikes. Break-in CW operation, PTT phone. Less power supply, requires 6V or 12V filament supply and 450-600V @250 Ma. Modulator on separate chassis(shown to the right in the picture below). Class ABl modulation with speech filter and negative peak clipping. Transmitter is 4x8x8-3/4"D. Has new highly visual tune-up meter for hiway safety. Less power supply \$159.50.



PAUSAN COMPANY (Mars Amateur Radio Division) Model MT-75A Mobile Transmitter. Operates on 80 or 40 meters, 18 watts input. 3½x7½x5"D. Less power supply. \$59.50.

PAUSAN Model SP-1000 2 KW Linear Amplifier. Uses 4 - 811A's, 2 - 866's for legal limit 2 KW PEP input on SSB. 50-75 watts drive, grounded grid linear with builtin power supply. Pi-network output. Less tubes. \$299.50.



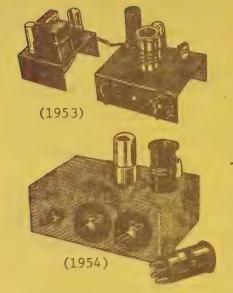
(1969)

PETERSON RADIO (PR) Wide-Range Monitor Receiver "The Baron" (1969). All solid state with 10 Bi-Polar transistors, 2 FET transistors, IC audio amp., Zener regulator. Dual conversion superhet 25-200 MHz, 6 channels which may be selected singly or in any combination, with all 6 operating simultaneously if desired, each channel being selected by an independent switch. 10.7 MHz and 455 Kc IF frequencies for selectivity and image rejection. Panel squelch control.

Copies AM or narrow band FM with separate detectors switch selected from panel. 1 uv sensitivity for 20db quieting on FM and 3 uv for 6db S+N/N for AM. Complete "modules" are PC and plug-on so each crystal is accompanied by optimum tuned circuits for maximum performance-ready to operate instantly. Compact: 2x4-3/8x6½"D. Supplied with 12VDC cord, separate compact speaker, mobile bracket. One module included, specify frequency. \$149.95. Extra module/crystal (specify frequency) \$16.95. 115VAC Adaptor-pedestal \$34.95.



PETERSON RADIO (PR) RM2 Series Receivers (1969). 2-200 MHZ, FM-AM reception, Fixed & Mobile Use. Crystal and all associated tuned circuits on a printed circuit "module" permitting this wide coverage capability. Pre-aligned and ready to operate by simply plugging in the module. All solid state with envelope detector on AM, tuned for slope detection on FM. Built-in 115VAC supply, optional DC cord for mobile use. Squelch, volume controls, built-in speaker, connections for external spkr. 3-3/8x5-3/4x74. 4 lbs. One module (specify freq.) included in basic price. Model RM2/1(1 channel w/module) \$59.95; RM2/4 (4 channel model, 1 module included) \$69.95. Module \$14.95. 12VDC Power cord \$2.95. Mobile bracket w/snap fastners) \$4.25



PHILMORE Model NT-200 Novice Transmitter Kit (1953). Covers 3.7 to 3.75, 7.175 to 7.2, and 21.10 to 21.25 Mc with proper coil plugged in. Includes power supply, which also supplies receiver, from 117VAC line with output under load of 370 VDC at 100 Ma. Xfmr and 5Y3 rectifier included in P.S. Transmitter uses 6V6 in tuned Pierce type oscillator to a 6L6 tuned output amplifier with Pi type tuning network. 25 watts input. No meters required for tuning and loading antenna. Crystal controlled CW transmitter Kit \$29.40. Chassis.

PHILMORE Model NR-300 Novice Receiver Kit (1954).
Covers 3.7 to 3.75, 7.175 to 7.2, and 21.10 to 21.25
Mc with proper coil plugged in. Utilizes dual triode
6SN7GT as regenerative detector and audio amplifier.
Main tuning plus bandspread for ease of tuning. Plugin coils. Obtains power from transmitter power supply
described above. Pre-punched chassis, Kit \$14.70.



PHILMORE Model 7001C Receiver Kit (1954). Uses 1-12SJ7GT, 1-50L6GT, 1-35Z5GT. Covers 550-1650 Kc B.C. band, and 6-18 Mc Shortwave bands. Includes 4" speaker. Has good tone and selectivity. Operates on 117 VAC or DC. Chassis and panel with mounted speaker, no cabinet. Kit including tubes \$14.91.

PIERSON-HOLT Model KE-93 Mobile or Fixed Station



Receiver (1955). Covers Broadcast band and 160 thru 10 meters. 7 bands on revolving drum dial using revolving type turret tumer. Shortwave sensitivity 1 uv or less. Has AGC, BFO, receives AM, CW and SSB with exalted BFO on SSB, calibrate position permits use of BFO and AGC simultaneously for transmitter VFO spotting. Compound noise limiter and squelch circuit. Relay provided in power pack for "break-in" operation. Universal mtg. brackets included. 5x6x9"D. Price with 6V or 12V DC power pack and speaker(separate from receiver) \$198.50. KE-110 110VAC P.S. \$35; Plug-in S-meter in case \$21.50. NOTE: Later models were sold without the speaker and power pack included in the price of \$249(1959 catalog). The power packs and speaker were sold and priced separately as below: 6x9" HiFi Car Speaker for KE-93 \$10. 6-12V DC Power Supply w/cables and plugs \$49.50. 115-120V AC Combination Power Supply, S-meter, and Speaker in matching cabinet \$45. (Shown at the right)



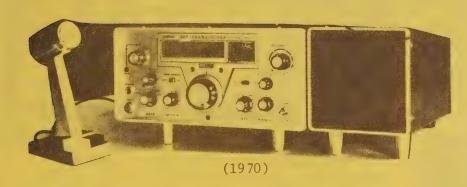
(1970)

RAYTRACK Horizon VI/Linear Amplifier (1970). 2KW conservatively rated, uses pair of Eimac 3-500Z triodes in Grounded Grid circuit. 50 ohm nominal input-output impedance. Full-time metering of plate current plus a second meter switchable for grid current/plate voltage/ relative RF output. Driven by exciter capable of 100 watts PEP output on SSB, 75 watts CW-AM-RTTY. The amplifier also provides ALC output for exciters so equipped. Instant in-out switching with internal relays, for for transceiver exciters. RF section 8x134x 14½" 29 lbs. The separate solid-state 115/230 VAC power supply includes cable for out of the way location and is 35 lbs. Complete \$649.

RAYTRACK DX2000L Linear Amplifier is similar to the above but covers 80 to 10 meters. Complete with separate 115/230VAC solid state power supply & cable \$699.



RCA SSB-5 Transceiver - Four channels set between 3 and 15 Mc with one oven mounted xtal for each channel (receive and transmit). 250 Watts PEP input, 1400 kHz, 6-pole lattice filters (upper and lower), AC or DC power supply, mike, instructions and speaker. PTT, AM, USB, LSB switched, Receiver sensitity 1 uv for 10db S+N/N ratio, automatic speech clipping pi-match antennas 10 to 80 oms. Size 12½x7½x13". Wt. 16 lbs. Price class \$742.50 AC and DC supply separately available \$75.



ROBYN "Digital 500" SSB
Transceiver - Features
digital frequency readout
and 500 W. PEP SSB input,
400 W. CW. Covers 80 thru
10 meters. .1 kHz readout.
No calibration required.
Built-in Noise Blanker,
selectable AGC, high sensitivity Schmidt-Trigger VOX,
Nixie display with latch
circuitry and memory,
built-in blower, external
VFO can be displayed. .5uv
sensitivity for 10db S+N/N.
2.4 kHz selectivity on SSB
at -6db; image and IF rejection 50db; 40db carrier

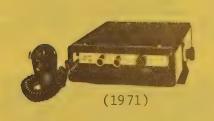
at -6db; image and IF rejection 50db; 40db carrier suppression; 50db sideband suppression. USB, LSB and CW modes of operation. (CW filter available as an option). Size 13½x7x12½"D. Separate Power supply/speaker as shown. Optional DC supply available. Introductory price including matching speaker and AC power supply as shown \$895.



ROSS AND WHITE CO. Model
RW-Bnd 2-Meter FM Transceiver - Features a Builtin Tone Burst Encoder, 3
tone adjustable. Solid
state PC board construction; xtal controlled(4
factory installed); built
in 12V power(AC pwr accessory available). Selectable .1W, 1W, or 10W output power. Receiver sensitivity .5uv -6db. 2½x7½x
8½"D. 3-3/4 lbs. comes

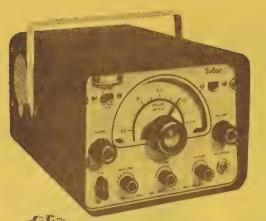
with microphone, 4 factory installed xtals, mobile mtg. racket, 5 prong accessory plug. Price with encoder \$359.95, without encoder \$319.95.

Encoder Models TE-P(1-tone), TE-2(2-tone), and TE-5(5-tone) separately available.



SIMPSON Model A FM Transceiver — Solid state, 4 transmit and 4 receiver channels available (comes equipped for transmit on 146.34 and 146.94mHz, receive on .76 and .94.) Transmitter and receiver have independent channel switching. Permantly wired in carbon mic, two channel—selector switches on front panel, diode switching of crystals with trimmers included on both xmit and reve xtals to set freq. exactly on channel, concentric volume and squelch controls. Powerful audio with 3x5" built—in speaker. Has bipolar RF amp and dual—gate MOSFET first mixer, 13—kHz ceramic filtered bandwidth. Transmitter has double tuned stage connecting circuits, 6 watts + output. Operates on 12 VDC (AC supply optional extra). 2½x8½x11", 5 lbs. Price complete with mic., mtg. bracket, 2 pr. Xtals \$249.

SIMPSON Model B FM Transceiver (1971) - Similar to the Model A above except has provision for 12 channels and 25 watts transmitter output. \$250.



SOLAR SYSTEM VI 6-METER TRANSCEIVER. Better than .5 uv sensitivity, 10 Kc selectivity, double conversion, voltage regulated oscillators, built-in noise limiter, 6:1 vernier tuning. Transmitter 12 watts input to 5763 final, front panel controls, final plate & grid metered. Uses 8mc crystals with provision for external VFO. PTT any type mic. For 6, 12 or 115VAC. \$189.50

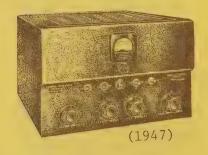
SPERTI 2-WAY 2-METER HAND-HELD TRANSCEIVER (1948). Operates 144-148 Mc. Uses 2 #2 flashlight cells for filament A batteries, 2 B batteries. Instant starting filament tubes used to save A battery drain.
PTT, slide rule dial, locked stable tuning if desired. Has retractible folding dipole antenna, stable oscillator and receiver. 10x3x2". 5 lbs. With tubes and batteries \$35.69.

(1948)





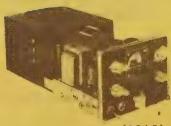
SQUIRES-SANDERS Model SS-1R Receiver (1963). 80 thru 10 meters in 8-500 Kc segments. Fixed tuned WWV at 10 and 15 Mc; 5.0-5.5 Mc auxiliary (WWV 5 Mc). Two general coverage 500 kc segments. Sensitivity: .5 uv for 10db S/N. Selectivity: .35, 2.5, 5 Kc. Fast attack, slow release AGC. ANL: IF type operating on AM/SSB/CW. Frequency read directly on a digital display. Steep skirted Xtal filter. Autocalibration of amateur bands using WWV frequencies. 7-3/4x164x13"D. 25 lbs. Less spkr. For 117V AC operation. \$895. SS-1RS spkr \$35. Accessories: SS-1S Noise Silencer \$135. SS-1V Video Bandscanner \$395.



STANCOR Model ST-202-A Transmitter Kit (1947). 100 to 125 watt input CW transmitter. Covers 6 bands 80 thru 10 meters. Band switching circuit with coil assembly and one tuning capacitor. Adjustable link antenna coupling. Simultaneous screen keying of both exciter tubes. Break-in operation. Choice of Power Amplifier tubes: 35T, 35TG, HK54, 5514, 811, or 812 (Widerange neutralizer provided). 115VAC power supply built in provides taps for various final amplifier tubes. Less tubes, milliameter, crystals, and amplifier tank coil plug-ins (use B&W 150 watt var. link coils). $14\frac{1}{4}$ x9x13 $\frac{1}{4}$ ". 55 lbs. \$92.80.

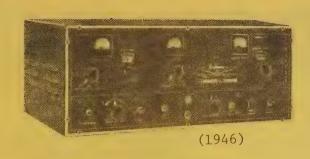


STANCOR Model ST-203-A Mobile Transmitter (1948). 10-11 Meter crystal controlled mobile or fixed station transmitter. Can be converted to 20,40,75 meters. Delivers 27.5 watts output. Designed for PTT operation, easily set up for remote control. Requires 450V DC at 200 Ma. and 6V AC/DC at 2.8 amps. Uses 6V6 harmonic oscillator using 7 mc Xtals, 2E26 Class C amplifier, p-p 6V6 Class A modulator. Works with dynamotor, vibrator, or AC power source. $8-5/8 \times 7\frac{1}{4} \times 6-3/4$ ". 14 lbs. Kit \$47.50; Wired \$66.75



(1948)

SUBRACO Model MT-15X Mobile Transmitter Series (1948). Single band transmitters for 20 meters, 75 meters, and 15 meters. 30 Watts AM Phone input, Class B 100% modulation, PTT and built-in coaxial type antenna relay. Has tuning meter, reads plate current, relative RF output. Complete with coaxial antenna connector, mounting brackets, tubes. Less power supply. Price for MT-15X, any frequency 75, 20, 15 meters \$87.50. Subraco DS400 6V input dynamotor power supply \$59.95 AC Supply complete w/rectifier & control relay \$39.50. 5½x4½x6½"D. Mounts under dash or in glove compartment.



SUPREME Model AF-100 Transmitter (1946). 100 watts output, AM,FM,CW,ICW modes. 6 bands 80 thru 10 meters. Has stable VFO, band selector switch, and plug-in coil for the final. Includes the 10 meter FM bands. Has 3 meters for full function metering. Includes heavy duty 110-117 VAC power supply built-in. 29½x11-3/4x18½". Wt 145 lbs. Designed for continuous service. \$450.



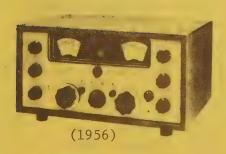
(1963)

SUPREME Model SSB-6B 6-Meter sideband transmitter (1963).
75 watts PEP SSB, 8 watts AM.
McCoy crystal filter, VFO,
6146 final. Operates USB,LSB,
CW, AM with carrier injection.
7360 balanced modulator. Unwanted sideband suppression
greater than 55db. 15x6½x7½.
10 lbs. Less power supply,
wired & tested: \$289.50.
SUPREME Model SB6-LA 6-meter

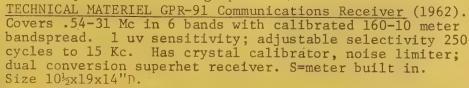
SUPREME Model SB6-LA 6-meter Linear Amplifier. 2000 watts PEP input SSB, 600 watts AM. Requires 32 watts drive. Fully metered. 15x6½x9"D. 15 lbs. Uses 3-400Z PA tube. Less power supply. \$229.50. Model PS-1 matching solid state power supply \$199.50.



TAPETONE Model 345 "Sky Sweep" Receiver (1959). A 6-meter receiver with dial calibrated for 6, 2, 14 and 3/4 meter bands to accommodate companion Tapetone converters; power for converters available from the receiver. Has linear slide rule dial with inertia tuning; noise figure less than 3.6db; cascode RF amplifier; crystal lattice filter achieves 3.5Kc bandwidth at 6db down; image rejection 60db down. Has S-meter, linear detector for SSB and CW with AVC on or off; covers 49-54 MHz. Built-in AC power supply. 22 lbs. \$279.95. Converters: TC-144-6 2-meter converter \$84.95; TC-220-6 14meter conv.\$84.95



TECHNICAL MATERIEL GPR-90 Communications Receiver (1956) 6 bands covering .54 to 31 Mc AM, CW, MCW modes. Main tuning dial accurately calibrated plus electrical bandspread dial. Sensitivity: 1 uv for 10:1 S/N ratio. Selectivity variable in 6 steps from 200 cy to 5 Kc, 5 crystal and one non-crystal positions. Noise limiter, Calibrated S-meter, dial locks. Audio selectivity control with variable bandwidth. Provisions for external control for HFO, BFO, IFO. Cabinet or rack mounting. 20x10x15"D. 52 lbs. With built-in AC 105-125 P.S. \$395, Less speaker. Matching speaker \$16.





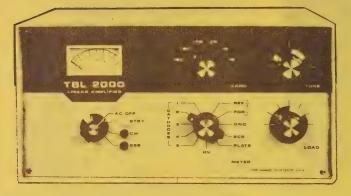
TECHNICAL MATERIEL GPR-92 General Coverage Communications Receiver (1964). Continuous coverage from .54 to 32.2 Mc in 6 bands. 115/230VAC solid state power supply; SSB, AM, CW, MCW reception, and with adaptors FSK, FAX, ISB reception; 6 position selectivity from .5 to 15 Kc; adjustable noise limiter on AM/SSB/CW; adjustable squelch; selectable AGC for AM or SSB/CW; internal calibrate; combination S and VU meter. Sensitivity 1 uv for 15db S+N/N ratio; 100 Kc cal. points throughout range; 6 Kc BFO tuning range; selectable internal/external osc. control. 8-3/4x19x17"D. 65 lbs. 4-8-16 and 600

ohm speaker and headphone audio output. \$1.552.00.

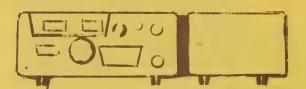




TECRAFT TR20 Series VHF/UHF Transmitters (1963). Crystal controlled transmitters using FT243 8mc crystals for 220, 144, 50, or 10-11-15 meter bands. Power input to 6360 final 20 to 25 watts. Hi-level plate modulation with 2-6AQ5 modulators. Crystal, ceramic or dynamic mic. input. Straight thru final amplification. Metering provision for all stages. Tuned antenna output to 52/72 ohm line. 9½x5½x5". 8 lbs. Price for each transmitter less power supply \$59.95. Matching AC power supply \$39.95. TR20/10 for 10-11-15 meters; Model TR20/50 for 6 meters; TR20/144 for 2 meters; TR20/220 for 1½ meters. Each transmitter has an RF output indicator.



TBS (Top Band Systems, Inc.) Model TBL-2000 Linear Amplifier (1972). Covers 160 thru 10 meters plus MARS. 1000W.CW, 1600 Watts PEP SSB, 700 w. RTTY and SSTV input power. Drive power: 70 w. to 150 w. PEP. Built in AC power, RF wattmeter, meter switch monitoring cathodes, total plate current, B+ voltage, RF watts, and more. Heavy duty band switch, cool operating. Uses 5 6LF6 power pentodes each with own bias potentiometer side panel mounted. 12-3/4x11x6½"D, 18 1bs. 240VAC Supply. Price \$259. Model TBL-2000X with built-in 120/240VAC Power Supply \$299.



(1972)

TRANSCOM SBT-3 SSB Transceiver - Single Sideband, suppressed carrier, fully transistorized specifically designed for mobile operation. Lower sideband on 80 and 40, upper on 20 meters. Operates with SBD-3A power supply from 12VDC battery. 90-100 watts PEP output SSB. 45db carrier suppression, unwanted sideband 40db down. Receiver sensitivity .5 uv for 10db S+N/N ratio; selectivity 3KC -6 db down. Transceiver operation with PIT. Requires external 4 ohm speaker(car radio spkr suggested). 4½x9x11½'W. Power supply/optional spkr cabinet shown in picture.



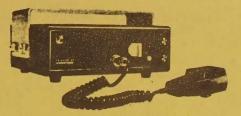
TRANSCON (Creative Electronics Corp.) 6 Meter or 10 Meter Transmitters. Combined Transmitter for 6 meters or 10 meters and a converter using the car radio receiver. Uses the car radio for power or external supply. VFO or Xtal control, phone or CW. PTT operation with carbon or Xtal mic. Rapid zero beating, excellent modulation with constant modulation indicator. TVI suppressed. Builtin Transmit-Receive relay. Quick change to B.C.Up to 4 watts using auto radio, 12 watts with external supply. 6V or 12V models. Compact 5x5x7. Price either 6M or 10M model \$99.50



TRI-STATE ELECTRONICS Model Tri-X 500 Transmitter. 500 watts SSB and CW input, 250 watts AM. Built-in power supply, ALC, VOX, anti-trip, pi-network output, blower, 7034 final. Solid state Power Supply. Has break-in keying. Price \$795.

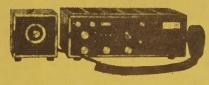


UNIMETRICS "Auditor I" VHF Pocket FM Monitor (1968). 10 transistors, 3 diodes, 1 Thermistor. Tunes 146-175 MHz. Has extra tuned circuits for rejection of spurious signals. Hideaway antenna extends 24". Convenient wrist strap to carry. Not combined type for AM, strictly VHF FM for best performance. 5-3/4x1½x3". Uses 9 volt battery. 1 lbs. \$24.95.

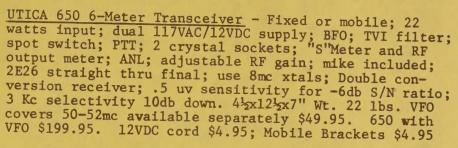


UNIMETRICS Seavox-15 FM Transceiver (1971). 12 channels, priority channel monitoring. 25 Watts output. 9"Dx8-3/4"Wx3½"H. \$369.95 less Xtals.

(1971)

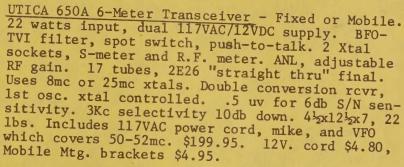


(1964)





(1965)





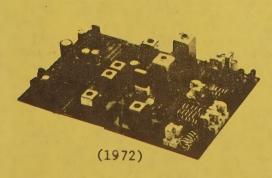
VANGUARD MARK 2 WALKIE-TALKIE TRANSCEIVER. Crystal-controlled on 26.5-30 mc. 200 mw output. Has handset, 24" whip antenna. Uses 8 "D" batteries. 6½x11x3½"D. 4½ 1bs. Price wired \$79.95.

MODEL MARK 3 WALKIE-TALKIE TRANSCEIVER is identical except covers 49.5-54.5 mc. Price wired \$69.95.



(1972)

VANGUARD Model FMR-250-11 VHF FM Receiver (1972). 11 Crystal controlled channels. Available in your choice of frequencies from 135-250 MHz in any one segment from 1-4 MHz wide. I.F. bandwidth (channel selectivity) available in your choice of ±7.5 or 15 KHz. 8-pole quartz filter and 4-pole ceramic filter for 80db rejection at 2X channel bandwidth. Freq. trimmers for each Xtal. .2 to .3 uv sensitivity for 20db quieting. Has dual-gate MOSFETS, integrated circuits, built-in speaker, external speaker jack, mobile mount and tilt stand. 6x7xl-3/8". Price includes 1.001% Crystal. 135-180 MHz \$109.95; 181-250 MHz \$119.95. Additional Xtals \$6.95 each.



VHF ENGINEERING (W2EDN) FM Transceiver Modules (1972). Solid state modules for Xtal controlled VHF-FM Transceivers covering 144 or 220 MHz FM. Modules: RF-144, RF-220 high gain low noise front end using dual gate zener protected MOSFETS. Sensitivity .5 uv. IF-10.7, IF amplifier and 455 kHz converter using 2 IC's. Gain 50db, 2nd oscillator crystal controlled. FM-455, a 455 KHz IF amplifier, limiter, FM detector and audio preamp using 2 IC's. Limiting starts at 20 uv and a 5kHz deviation signal provides 1+ volt output. AS-1, audio amp. and squelch using 2 IC's. 1 watt audio output to 4-8 ohm spkr. TX-144 or TX-220, a better than 1 watt output transmitter on 12.6 volts. Audio limiting, active filter, and adjustable deviation to 10 KHz. 1 IC, 4 Xistors, 7 tuned circuits. The 4 receiver modules measure 1½x4"; the transmitter module 2x6". Complete receiver parts kit \$59.95; Complete transmitter kit \$39.95; 10 watt power amplifier kit \$29.95. Prices less crystals; R or T Xtals \$4 each.



vocaline AT-30 Transceiver - Continuous coverage 421 to 449 mc. Provides .3 watt AM RF output. Supplied with sensitive ceramic mic. with PTT switch for transmitter control. Transmitter is transmission line oscillator type with silver plated elements. 50 ohm output impedance. Receiver is non-critical super-regenerative type. Built-in speaker, headphone jack. Size: 6½x9x6"D. Available in 2 models: 110-120VAC/6VDC, or 110-120VAC/12VDC. Shpg. Wt. 4½ 1bs. Price \$92.



WACOM WC-6 6-Meter AM Transmitter (1958). 6 Watt mobile or fixed station modulated transmitter. Requires external 6 or 12 volts for tube filaments and 300 volts at 100 ma for plates. 6-3/4x4x3-3/4". Kit costs \$29.50.





WAWASEE "Jewel Box" Model 12 Base Linear Amplifier.
Operates from 120 VAC, input impedance 52 ohms,
output L Network impedance 30-75 ohms. Broad band
input level 2-4 watts. Max. output 60 watts PEP/SSB,
4-30 watts AM. Freq. range 21-38 MHz. Uses 6BQ5 as
final tube. Key drive required .5 watt. 5x6x7", 10
1bs. \$99.95 (higher in far west).

"Jewel Box" Model 150A Base Linear Amplifier. Operates from 120 VAC. Input impedance 52 ohms, output L Network impedance 52 ohms. Adjustable input level 3-6 watts. Max. output: AM 40-80 watts, SSB 160 PEP watts. Power gain 14-18 db. Key drive required .5 watt. Final tube: 100 watt 8417. Has antenna and keyer relay, heavy duty transistorized power supply. Freq. range 21-38 MHz. 5x6x7, 10 lbs. \$169.95(higher in far west).

WAWASEE ELECTRONICS "Black Cat" Model JB75A Mobile Linear Amplifier (1968). 21-38 MHz range (10 meters + Business Band). All modes automatic switching of antenna for transmitreceive. Low standby current drain. Operates 12-14VDC. Input level adjustable 2-10 watts. Output 75-100 watts. Uses a 100 watt 8417 tube as final. Has built-in heavy duty power supply, transistorized. 2x6x8". 3 lbs. \$147.50 (higher in far west).

WAWASEE "Black Cat" Model JB200 Base Linear Amplifier.
Operates from 120 VAC with separate power supply. Input impedance 52 ohms, output Pi Network Tuneable 30-75 ohms. Broad band input level 3-5 watts. Max. output: 450 watts PEP/SSB, AM, FM 125-200 watts. Key drive required .5 watt. Freq. range 21-38 MHz. Uses 2-100 watt 8417P in final. Has transistorized relay keyer, antenna. RF section 2½x 6x8", 2 lbs. P.S. 5½x7x9", 13 lbs. Connecting cable incl. \$194.50 (higher in far west).

WAWASEE "Black Cat" Model JB200A Mobile Linear Amplifier. Operates from 12-14 VDC neg. Ground. Input impedance 52 ohms, output Pi network tuneable 30-75 ohms. Broand band input level 3-5 watts. Max. output: SSB-PEP 450 watts; AM,FM 125-200 watts. Key drive required .5 watt. Has relay keyer, antenna changeover, transistorized. Separate heavy duty power supply. Freq. range 21-38 MHz. Uses 2-100 watt 8417P tubes in final. RF amp. section 2½x6x8", 2 lbs. P.S. section 2x 5x6", 4 lbs. \$297.50 (higher far west).



